ENGINEERED PERFORMANCE STANDARDS

BOOK NUMBER - 03

ELECTRICAL

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Install 220V appliance or air conditioning unit
Replace 220V appliance or air conditioner
Install or remove appliance circuit
Connect and disconnect overhead heaters
Install or replace thermostats

To INSTALL a new appliance or a/c unit, the electrician will secure the power supply & remove the cover plate for the service outlet box & the cover for access on the appliance. Time is allowed to remove knockouts in box & unit. The cable is cut,formed & connected in the box & appliance. Time is allowed to level the unit & to check its operation.

To REMOVE an appliance circuit, power is secured & cover plates are removed. Connector screws are loosened & the cable removed.

TASK TIME STANDARDS LISTING

GT 031	APPLIANCE	(install)-w/ 3 conductor cable,w/ground wire & connector plug
GT 032	APPLIANCE	(install)-w/ 3 conductor non-metallic cable,w/ ground wire fixed at both ends-to service outlet
GT 033	APPLIANCE	(install)-w/ 6ft.of flexible metallic cunduit & 3 "pulled in" conductors connected at both ends
GT 030	APPLIANCE	(replace) old appliance with new
GT 036	APPLIANCE circuit	(install or remove)-6ft flex conduit with 3 each #8 or smaller conductors
GT 037	APPLIANCE circuit	(install or remove)-6ft flex conduit with 3 each 2/0 or smaller conductors
GT 029	APPLIANCE circuit	(replace) 3 conductor cable with ground wire
GT 034	OVERHEAD HEATERS -	(disconnect)
GT 035	OVERHEAD HEATERS -	(connect)
GT 028	THERMOSTAT -	(install)-to concrete
GT 027	THERMOSTAT -	(install)-to wood or plaster
GT 026	THERMOSTAT -	(replace)

GT 031 Connect 220V range, dryer or air conditioner using three conductor cable with ground wire and connected plug - handling and uncrating of unit not included.

000.36083 hours per appliance

GT 032 Connect 220V range, dryer or air conditioner to service outlet box using three conductor non-metallic cable with ground wire fixed at both ends - handling and uncrating of unit not included.

000.44247 hours per appliance cable

GT 033 Connect 220V range, dryer or air conditioner using six foot length of flexible metallic conduit and three (3) "pulled in" conductors connected at both ends - handling and uncrating of not included.

000.87490 hours per appliance cable

GT 030 Disconnect existing 220V range, dryer or air conditioner connected to service by a fixed three conductor cable with ground wire and connect replacement unit - handling and uncrating of wire not included.

000.42629 hours per appliance

GT 036 Install or remove circuit connection between item of equipment and supply box consisting of three, No. 8 or smaller conductors in six foot length of flexible conduit.

000.66345 hours per circuit

GT 037 Install or remove circuit connection between item of equipment and supply box consisting of three, No. 2/0 or smaller conductors in six foot length of flexible metallic conduit.

000.71103 hours per circuit

GT 029 Disconnect and remove one (1) length of fixed three conductor cable with ground wire from 220V operated equipment and supply box, install and connect similar replacement cable.

000.38767 hours per cable

GT 034 Disconnect overhead unit heater two (2) wire power and three (3) wire control circuits - removal of unit heater not included.

000.17788 hours per heater

GT 035 Connect overhead unit heater, power and control circuits including installation of six foot lengths of flexible metallic conduit - installation of unit not included.

000.67647 hours per heater

GT 028 Install and connect thermostat control on concrete surface - installation of control circuit wiring not included.

000.38278 hours per thermostat control

GT 027 Install and connect thermostat control on plaster or wood surface - installation of control circuit wiring not included.

000.30202 hours per thermostat

GT 026 Remove and disconnect old thermostat control from wall, install and connect replacement unit.

000.39450 hours per thermostat

Fire Alarm - install wires on pole; operational check
Smoke Detector - install
Mobile Antennas - remove/install rod or base
Dictaphone/Intercom/Turntable/Recorder/Projector - check/repair
Speakers, P.A. - install/check/repair
Telephones - remove/install box
Ship-to-shore telephone -install/remove
The most common procedure for installing the smaller non-industrial dector begins with a determination of the best location for max.fire protection. The cover is removed & the base is used to locate mounting holes on the ceiling. Two holes are drilled & anchors installed for mounting screws. Electrical connections are made & unit is installed to the ceiling with screws. Units cover is installed &power turned on. Unit is smoke tested.
TIME FOR ELECTRICAL HOOK UP & LADDER USE IS NOT INCLUDED.

TASK TIME STANDARDS LISTING

GT 220	FIRE ALARMS	(install)-wires on pole
GT 653	FIRE ALARMS	(operational test)
GT 615	SMOKE DETECTOR	(install)-on ceiling, wiring not included
GT 645	SMOKE DETECTOR	(install)-battery powered
GT 002	AMPLIFIER	(check/repair)-10 watt
GT 003	AMPLIFIER	(check/repair)-50 watt
GT 001	AMPLIFIER-paging	(check/repair)
GT 019	AMPLIFIER	(install relay & press to talk button)
GT 004	ANTENNA-mobile	(remove/install rod)
GT 005	ANTENNA-mobile	(remove/install base)
GT 006	DICTAPHONE	(check/repair)
GT 012	INTERCOMM	(check/repair)
GT 013	MOVIE PROJECTOR	(check/repair)
GT 011	RECORD TURNTABLE	(check/repair)
GT 007	TAPE RECORDER	(check/repair)
GT 017	SPEAKERS	(check/repair line transformer)
GT 018	SPEAKERS	(install 2 ea.to wood surface)
GT 039	PHONE BOX	(install to floor duct)
GT 040	PHONE BOX	(remove from floor duct)
GT 041	PHONE BOX	(remove & reinstall)
GT 008	TELEPHONE-ship-to-shore	(install)
GT 009	TELEPHONE-ship-to-shore	(remove)

GT 220 Install wire on poles for fire alarm system using bucket truck and pickup; 4 man crew; includes pole hardware; stringing wire, dead ending wire, installing wire and pole time.

000.80107 hours per JOB SETUP TIME

000.19839 hours per pole

GT 653 Operational test of fire alarm system

000.06596 hours per JOB SETUP TIME

000.05380 hours per zones

GT 615 Install smoke detector in ceiling (does not include wiring installation or ladder time)

000.24750 hours per detector

GT 645 Install battery powered smoke detector to plaster ceiling. Ladder time not included.

000.12736 hours per detectors

GT 002 Check and repair 10 watt amplifier - five tube - includes testing tubes and installing one new tube, remove old and install two new small parts, test three parts, clean amplifiers in shop

002.22631 hours per amplifier

GT 003 Check and repair 50 watt amplifier - includes testing tubes and condensers, test thirty parts, remove old and reinstall three new parts, and clean amplifier in shop.

002.81271 hours per amplifier

GT 001 Check and repair paging amplifier - includes checking five tubes and test ten parts in shop.

001.16071 hours per paging amplifier

GT 019 Install relay and press-to-talk button on paging amplifier - includes mark, drill hole in metal, install switch, remove and reinstall medium size part in shop.

000.93547 hours per press-to-talk button

GT 004 Remove old and install new mobile antenna rod - includes remove and reinstall two retainer nuts.

000.12021 hours per antenna rod

GT 005 Remove old and install two new mobile antenna mounting bases - including remove and reinstall seven nuts each.

000.38129 hours per antenna base

GT 006 Check and repair dictaphone - includes removing cover plates, test two parts, clean chassis, and clean five switches on job site.

000.19995 hours per dictaphone

GT 012 Check and repair intercom - includes checking six tubes, test ten parts, remove and install one new small part, clean chassis and seven switches in shop.

001.12426 hours per intercom

GT 013 Check and repair movie projector (sound) - includes checking four tubes, installing one new tube, removing old and installing four new parts, test ten parts, oil bearings and clean in shop.

001.42810 hours per projector

GT 011 Check and repair record turntable - includes removing and reinstalling in cabinet, testing two parts, remove and install two parts, oil bearings and clean unit in shop.

000.62327 hours per turntable

GT 007 Check and repair tape recorder - includes checking six tubes, test six parts, installing one new tube, remove and install fou new parts, clean and lubricate (oil) as required in shop.

001.04001 hours per tape recorder

GT 017 Check and repair line transformer (speaker) - includes testing two parts and remove and install one medium part in shop.

000.37753 hours per speaker

GT 018 Install two speakers on wood surface to extend sound system, includes run 200 feet of two conductor cables, connect wires to speakers on job site.

000.80880 hours per speakers (2 speakers per set)

GT 039 Install phone box to floor duct, excludes locating and removing knockout plug, one man crew.

000.03453 hours per JOB SETUP TIME

000.04336 hours per phone box

GT 040 Remove phone box from floor duct - no obstructions one man crew.

000.10887 hours per JOB SETUP TIME

000.02380 hours per phone box

GT 041 Phone box: remove from one location and install in another approximately eight feet away, unobstructed - one man crew.

000.25582 hours per JOB SETUP TIME

000.05833 hours per phone box

GT 008 Install portable ship-to-shore telephone on ship quarterdeck and plug in at pier outlet.

000.24056 hours per telephone

GT 009 Remove portable ship-to-shore telephone from ship quarterdeck and disconnect at outlet on pier.

000.16378 hours per telephone

Time clocks - disassemble/clean/adjust/assemble
Electronic equipment - check/repair
Ceiling fan - assemble/install
Exhaust fan - install to 1/10 hp
Emergency Generator - PM
Electric motors - overhaul = These task include dismantle,clean ,inspect,check components,replace bearings & brushes,reassemble & test electric motors. Repair work is limited to removing & installing motor & for painting.
Motors are dismantled on a work bench & components are cleaned with solvent & compressed air. Rotors & commutators are further cleaned in a lathe. New bearings are installed by hydraulic press. Motors are reassembled & tested. Two men are required to lift the 7.5 to 10 hp motors to & from the work bench.

TASK TIME STANDARDS LISTING

GT 022	IBM	TIME CLOCK -	(disconnect/overhaul/connect)
GT 021	Stromberg	TIME CLOCK -	(disconnect/overhaul/connect)
GT 015	electronics-	8 TUBE UNIT	(check/repair)
GT 014	electronics-	16 TUBE UNIT	(check/repair)
GT 010	electronics-	OCTAL TUBE SOCKET	(replace)
GT 016	electronics-	EQUIPMENT	(minor repairs)
GT 612	CEILING FAN-to	suspended ceiling	(install)
GT 613	CEILING FAN-to	suspended ceiling	(assemble & install)
GT 619	EXHAUST FAN-up to	1/10 hp	(install)
GT 500	EMERGENCY GENERATOR-		(PM)
GT 023	ELECTRIC MOTOR-to	1/4 hp	(overhaul)
GT 024	ELECTRIC MOTOR-	1/4 to 5 hp	(overhaul)
GT 025	INDUCTION MOTOR-	3/4 to 10 hp	(overhaul)
GT 639	ELECTRIC MOTOR-phase	protection	(install)

GT 022 Disconnect, remove, disassemble, inspect, clean, reassemble, adjust, reinstall and connect I.B.M. automatic model 8500-5 or semi-automatic model 8900-5, time clock - travel time to return clock not included.

002.22538 hours per time clock

GT 021 Remove disconnected Stromberg model 14 or 15 time clock from wall; disassemble, inspect, clean, reassemble, adjust and reinstall to wall - travel time to return unit not included.

000.54432 hours per time clock

GT 015 Check and repair electronic equipment - includes checking eight tubes or plug-in condensers, test parts, remove and install one small, one medium, one large part, and clean equipment in shop.

002.09071 hours per electronic unit

GT 014 Check and repair electronic equipment - includes checking 16 tubes or plug-in condensers, test 30 parts, remove and reinstal two small, two medium, and two large parts, clean equipment in shop.

003.90705 hours per electronic unit

GT 010 Remove old and install new octal tube socket - includes remove, check, and put tube back, remove 2 rivets and install 2 nuts an bolts to socket, replace wires to lugs in shop.

000.35220 hours per tube socket

GT 016 Check and make minor repairs to electronic equipment - includes checking four tubes or plug-in condensers, make four tests, and reinstall new parts as required on job site.

000.31440 hours per electronic unit

GT 612 Install electrical component (light, fan, etc.) in suspended ceiling
does not include assembly of component

000.73492 hours per unit

GT 613 Assemble and install ceiling fan in suspended ceiling

001.15950 hours per fan

GT 619 Install small exhaust fan, up to 1/10 HP, in kitchen or restroom wall. Includes conduit, switch and receptacle. Step ladder used

001.02872 hours per fan

GT 500 Emergency generators; preventive maintenance inspection includes run, check, test and minor adjustments.

000.10631 hours per generator

GT 023 Disconnect, remove, minor overhaul, paint motor housing, reinstall and connect universal or split phase - up to 1/4 HP units - travel time to return unit not included.

001.07801 hours per motor

GT 024 Disconnect, remove, minor overhaul, paint motor housing, reinstall and connect - universal or split phase - 1/4 to 5 hp, 600 to 3600 rpm, under 50 lb. units - travel time to unit return no included.

001.47584 hours per motor

GT 025 Disconnect, remove, minor overhaul, paint motor housing, install and connect - induction-repulsion type - 3/4 to 10 HP, all speeds - travel time to return unit not included.

002.69892 hours per motor

GT 639 Install phase protection on electric motor.

000.65853 hours per motor

Cable, metallic sheathed or non-metallic
Disconnect/remove cable
Install cable through partition
Staple cable to exposed wood or framing
Load/unload large cable
Straight splice lead or polyethylene jacket
Install buried cable and underground cable in conduit
Use GT-654 if cleaning inside conduit is needed with cable pull task(s)

TASK TIME STANDARDS LISTING

GT 074	CABLE-metallic sheathed & non-metallic	(disconnect/remove)
GT 029	CABLE-metallic sheathed & non-metallic	(disconnect/replace)
GT 072	CABLE-through obstructed wall	(install)-using double fishtape
GT 070	CABLE-through unobstructed wall	(install)-using fishtape
GT 066	CABLE-to exposed wood surface	(install)-run & staple only
GT 068	CABLE-to framing	(install)-run thru stud holes
GT 641	CABLE to 1/0 - Direct Burial	(install) in trench
GT 642	CABLE to 1/0 - thru Conduit	(install) in trench
GT 652	CABLE 300 mcm - thru Conduit	pull w/motorized cable puller (install) 6500 lb pull
GT 655	CABLE 350 mcm -thru Conduit, pull with truck's front winch	(install) w/20,000 lb pull
GT 654	CONDUIT -inside cleaning with wirebrush/mandrell	(prep. & setup time included)
GT 315	CABLE COIL REEL-to winch	(load/unload) 6awg to 1awg less than 100lbs.
GT 317	CABLE COIL REEL-to winch	(load/unload) 6awg to 1awg over 100 lbs.
GT 318	CABLE COIL REEL-to winch	(load/unload) 1/0 to 4/0 on new reel
GT 316	CABLE COIL REEL-to winch	(load/unload) 1/0 to 4/0 on partially used reel
GT 056	straight CABLE SPLICE- 1 single wire	lead sheath 4/0 to 450mcm
GT 057	straight CABLE SPLICE- 3 single wire	lead sheath 4/0 to 450mcm
GT 050	straight CABLE SPLICE- 1 single polyethylene jacket	4/0 - 450mcm
GT 051	straight CABLE SPLICE- 1 single polyethylene jacket	8awg to 3/0
GT 052	straight CABLE SPLICE- 1 single polyethylene jacket	1250-2500mcm
GT 058	straight CABLE SPLICE- 3 wire,	lead sheath 4/0 to 450mcm
GT 053	straight CABLE SPLICE- 3 wire,	polyethylene jacket 8awg-3/0
GT 054	straight CABLE SPLICE- 3 wire,	polyethylene jacket 4/0-450m
GT 055	straight CABLE SPLICE- 3 wire,	polyethylene jacket 500-1000m

GT 074 Disconnect and remove footage of non-metallic or metallic sheathed cable and boxes with switch or convenience outlet unit from carefully stapled wood surface installation - ladder mot used

000.11990 hours per JOB SETUP TIME

000.05577 hours per box

000.00163 hours per foot of cable

GT 029 Disconnect and remove one (1) length of fixed three conductor cable with ground wire from 220V operated equipment and supply box, install and connect similar replacement cable.

000.38767 hours per cable

GT 072 Install footage of metallic sheathed or non-metallic cable and new boxes, cable pulled through obstructed partition interior using a blind multi - "fish-tape" hookup within partition no wire connections made - ladder not used

000.02276 hours per JOB SETUP TIME

000.63419 hours per box

000.00574 hours per foot of cable

GT 070 Install metallic sheathed or non-metallic cable and new boxes, cable pulled through unobstructed partition interior using a "fish tape" - no wire connections made - no ladder used

000.02276 hours per JOB SETUP TIME

000.55009 hours per box

000.00137 hours per foot of cable

GT 066 Install metallic sheathed or non-metallic cable and new boxes, cable fastened carefully to exposed wood surface every two feet with staples - no wire connections made - ladder not used. Foot = No. foot of cable installed.

000.08568 hours per JOB SETUP TIME

000.11629 hours per box

000.00115 hours per foot of cable

GT 068 Install metallic sheathed or non-metallic cable and new boxes, cable fastened to framing members and run through drilled holes made approximately ten feet apart - no wire connections made no ladder used

000.12983 hours per JOB SETUP TIME

000.11629 hours per box

000.00230 hours per foot of cable

GT 641 Install direct burial cable up to 1/0 size in trench - trenching and back fill time not included

000.03379 hours per JOB SETUP TIME

000.05934 hours per cable

000.00066 hours per foot of cable run

GT 642 Install up to 1/0 cable through conduit in trench - trenching and back fill time not included

000.03379 hours per JOB SETUP TIME

000.05934 hours per cable

000.05117 hours per section

GT 652 Pull large cable with motorized cable puller. Typical Greenlee model 6001 1.5 HP puller with 6500 lbs maximum pulling force. Study made of pulling six (6) 300 MCM cables plus one (1) #2 ground in 3in. conduit. Includes time to set up mobile crane an pulley to assist pull.

000.38517 hours per JOB SETUP TIME

000.00351 hours per feet of conduit pulled thru

000.07242 hours per cables

GT 655 Pull 350 MCM insulated cables with truck's front mounted winch. Typical winch with approx. 20,000 lb pull.

000.19941 hours per job

000.00231 hours per ft pulled

000.10094 hours per cables pulled

GT 654 Clean inside conduit with wirebrush or mandrell--Includes: preparation and setup time of wirebrush or mandrell, and disassemble/put aside wirebrush or mandrell

000.01882 hours per job

000.00078 hours per ft of conduit

GT 315 Load and unload and completely prepare one (1) light coil (less than 100 lbs.) of No. 6 through No. 1 cable or wire conductor for unwinding and windup excess after use. Assembly and disass embly of winch not included.

000.39544 hours per coil of cable

GT 317 Load and unload and completely prepare one (1) heavy new coil (over 100 lbs.) of No. 6 to No. 1/0 cable or wire conductor for unwinding and wind up excess after use. Assembly and disassem-bly of winch not included.

001.36757 hours per coil of cable

GT 318 Load and unload and completely prepare one (1) heavy new reel (over 100 lbs.) of No. 1/0 thru No. 4/0 cable or wire conductor for unwinding and wind up excess after use. Assembly and dis-assembly of derrick not included.

001.92777 hours per reel

GT 316 Load and unload one (1) partially used heavy reel (over 100 lbs.) of No. 1/0 thru No. 4/0 cable or wire conductor. Assembl and disassembly of derrick or winch not included.

001.14478 hours per reel

GT 056 Straight splice one, single-conductor, lead sheathed cable, size No. 4/0 through 450 MCM.

003.46486 hours per cable

GT 057 Straight splice three, single-conductor, lead sheathed cables, size No. 4/0 through 450 MCM.

008.39458 hours per cable

GT 050 Straight splice one single conductor, polyethylene jacket (or equal) cable, size 4/0 through 450 MCM

001.69865 hours per cables to splice

GT 051 Straight splice one single conductor, polyethylene jacket (or equal) cable, size No. 8 to No. 3/0.

001.18674 hours per conductor

GT 052 Straight splice single-conductor, polyethylene jacket (or equal) cable, size 1250 MCM through 2500 MCM.

003.21715 hours per conductor

GT 058 Straight splice one, three-conductor. lead sheathed cable, size No. 4/0 through 450 MCM.

006.15661 hours per cable

GT 053 Straight splice one, three-conductor, polyethylene jacket (or equal) cable, size No. 8 through No. 3/0.

006.18950 hours per cable

GT 054 Straight splice one, three-conductor, polyethylene jacket (or equal) cable, size No. 4/0 through 450 MCM.

007.66594 hours per cable

GT 055 Straight splice one, three-conductor, polyethylene jacket (or equal) cable, size 500 MCM through 1000 MCM.

009.89296 hours per cable

EMT - install/remove
EMT - remove with wire
Flexible conduit - metallic and ENT - install/remove
PVC conduit - heat/bend/cut/install
Seal off fittings - install
Rigid conduit - install/remove
Rigid conduit - remove with wire
Wireway - install/remove
Pull wire to remove
Trolley duct - assemble/install/remove
Kendorf rack - install
Junction switch or outlet box - install

TASK TIME STANDARDS LISTING

GT 083	.5in. to 1in.D	EMT-to concrete	(install)
GT 081	.5in. to 1in.D	EMT-to wood	(install)
GT 091	.5in. to 1in.D	EMT-with 8awg or smaller wire	(remove)
GT 093	.5in. to 1in.D	EMT-with 6awg to 2awg wire	(remove)
GT 087	1.25in.to 2in.D	EMT-to concrete	(install)
GT 085	1.25in.to 2in.D	EMT-to wood	(install)
GT 086	.5in. to 2in.D	EMT-to wood or concrete in restricted space	(install)
GT 102	to 1in.D	FLEX CONDUIT-to concrete	(install)
GT 104	to 1in.D	FLEX CONDUIT-to existing equipment	(install)
GT 100	to 1in.D	FLEX CONDUIT-to wood	(install)
GT 101	to 1in.D	FLEX CONDUIT-to wood or concrete in restricted space	(install)
GT 106	to 1in.D	FLEX CONDUIT- including cut & pull wires & 1 box	(remove)
GT 643	to 1in.D	ENT FLEX CONDUIT to wood	(install)
GT 646	to 1in.	ENT FLEX CONDUIT to concrete	(install)
GT 647	to 1in.D	ENT FLEX CONDUIT thru rafters	(install)
GT 633	.5in.to 6in.D	PVC CONDUIT-straight section	(install)
GT 634	.5in.to 6in.D	PVC CONDUIT-curved section	(heat,bend,instal
GT 635	.5in.to 6in.	PVC CONDUIT-section	(cut to length& install)
GT 166	.5in.to 2in.D	FITTING Seal off fitting-	(install)
GT 168	2.5in.to 3in.D	FITTING Seal off fitting	(install)
GT 127	.5in. o1in.D	RIGID CONDUIT-to concrete	(install)
GT 125	.5in.to1in.D	RIGID CONDUIT-to wood	(install)
GT 136	.5in.to1in.D	RIGID CONDUIT-with 8awg or smaller wire	(remove)
GT 138	.5in.to1in.D	RIGID CONDUIT-with 6awg to 2awg wire	(remove)
GT 134	1.25in.to2in.	RIGID CONDUIT-hung from concrete	(install)

GT 133	1.25in.to2in. RIGID CONDUIT-hung from wood	(install)
GT 131	1.25in.to2in. RIGID CONDUIT-to concrete	(install)
GT 129	1.25in.to2in. RIGID CONDUIT-to wood	(install)
GT 126	1.25in.to2in. RIGID CONDUIT-in restricted space	(install)
GT 136	1.25in.to2in.RIGID CONDUIT-with 8awg or smaller wire	(remove)
GT 138	1.25in.to2in. RIGID CONDUIT-with 6awg to 2 awg wire	(remove)
GT 154	2.5in. to4in. RIDID CONDUIT-hung from concrete	(install)
GT 153	2.5in. to4in. RIGID CONDUIT-hung from wood surface	(install)
GT 147	2.5in. to4in. RIGID CONDUIT-to concrete	(install)
GT 135	2.5in. to4in. RIGID CONDUIT-to wood	(install)
GT 140	2.5in. to4in. RIGID CONDUIT-with 8awg or less wire	(remove)
GT 142	2.5in. to4in. RIGID CONDUIT-with 6awg to 2 awg wire	(remove)
GT 113	WIREWAY- to concrete	(install)
GT 111	WIREWAY- to wood	(install)
GT 120	WIREWAY-	(remove)
GT 148	WIRE -CUT/PULL- #8 or smaller box to box	(remove)
GT 150	WIRE -CUT/PULL- #6 to #2 box to box	(remove)
GT 038	TROLLEY DUCT- drop cords	(install)
GT 145	TROLLEY DUCT- (assemble & install)	
GT 094	FLOOR DUCT- knock out plug	(remove)
GT 621	KENDORF RACK -to ceiling	(install)
GT 638	KENDORF RACK -conduit or raceway to rack	(install)
GT 082	JUNCTION SWITCH or OUTLET BOX-to wood	(mount/connect)
GT 084	JUNCTION SWITCH or OUTLET BOX-to concrete	(mount/connect)
GT 088	JUNCTION SWITCH or OUTLET BOX-in close space	(install/connect)

EPS TASK TIME STANDARDS - DESCRIPTIONS AND UNIT HOURS

GT 083 Install 1/2in. to 1in. EMT conduit on concrete surface per up to ten foot section

000.23982 hours per section

GT 081 Install 1/2in. to 1in. EMT conduit on wooden surface - per up to ten foot section.
Includes installation to existing box every four sections avg.

000.11186 hours per section

GT 091 Remove 10 ft section of electrical metallic tubing (EMT) sizes 1/2in. to 2in. Includes removing: straps/clamps/connectors/ couplings: One junction/outlet/switch box; 4 wires size no. 8 or smaller box to box. Coil wires. Ladder use not included.

000.24554 hours per 10 ft section

GT 093 Remove 10 ft section of electrical metalic tubing (EMT) sizes 1/2in. to 2in. INCLUDES REMOVING: straps/clamps/connectors/ couplings; one junction/outlet/switch box; 4 wires no.6 to no.2 individually box to box, with each wire separately coiled. Ladder use time not included.

000.29498 hours per ten ft section

GT 087 Install 1-1/4in. to 2in. EMT conduit on concrete surface per up to ten foot section - includes connection to existing box every four sections average

000.26125 hours per section

GT 085 Install 1-1/4in. to 2in. EMT conduit on wooden surface per up to ten foot section

000.13329 hours per section

GT 086 Install 1 1/4in. to 2in. conduit on wood or concrete surface surface in restricted area such as attic, crawlspace or behind wall - per up to 10 foot section

000.30000 hours per section

GT 102 Install ten foot section of up to 1in. diameter flexible metallic conduit on concrete surface - excludes pulling and connecting wires - ladder not used. Includes connection to existing box every four sections average

000.19762 hours per section

GT 104 Install ten foot section of up to 1in. diameter flexible metallic conduit to existing control equipment integral type boxes - ladder not used.

000.11573 hours per section

GT 100 Install ten foot section of up to 1in. diameter flexible metallic conduit to wood surface - excluding pulling and connecting wires - ladder not used.

000.15035 hours per box

GT 101 Install ten foot section of up to 1in. diameter flexible metallic conduit to wood or concrete in restricted area such as attic crawlspace or behind wall

000.25655 hours per section

GT 106 Remove 10 ft section of flexible metal conduit sizes up to 1in. INCLUDES: removing: clips/clamps; one junction/outlet/switch bo ; 4 wires size no.8 or smaller box to box. Coil wires. Ladder use time not included.

000.18204 hours per ten ft section

GT 643 Install up to 1" diameter electrical non-metallic tubing (ENT) conduit to wood surface per up to ten foot section including connection to box.

000.02981 hours per sections

GT 646 Install up to 1in. diameter flexible non-metallic (ENT) conduit to concrete surface per up to ten foot section including connection to box.

000.06504 hours per sections

GT 647 Install up to 1in. diameter flexible non-metallic tubing (ENT) conduit through typical 2in. rafters or studs including drillin hole and feeding conduit per up to ten foot section of conduit.

000.22835 hours per sections

GT 633 Install one straight section of PVC conduit (EB duct) up to six inch (6") diameter in trench.

000.14074 hours per section

GT 634 Install a curved section of PVC conduit (EB duct) up to six inch (6") diameter in trench - includes heating conduit in cooker an bend to pattern.

000.28180 hours per section

GT 635 Cut up to six inch (6in.) diameter PVC conduit (EB duct) to length for installation - includes measure, mark and cut to siz with portable power saw.

000.16252 hours per section

GT 166 Install seal-off fittings at explosion proof junction, switch or outlet boxes on 1/2in. to 2in. conduit runs - excluding pulling conductors and wire connections - ladder not used.

000.02900 hours per JOB SETUP TIME

000.16502 hours per fitting

GT 168 Install seal-off fittings at explosion proof junction box on 2-1/2in. to 3in. conduit run - excludes pulling conductors and wire connections - ladder not used.

000.02900 hours per JOB SETUP TIME

000.18915 hours per fitting

GT 127 Install 1/2in. to 1in. rigid conduit on concrete per up to ten foot section including connection to existing box every four sections average

000.32916 hours per section

GT 125 Install 1/2in. to 1in. rigid conduit on wood per up to ten foot section including connection to existing box every four section average

000.26227 hours per section

GT 136 Remove 10ft. section of rigid conduit sizes 1/2in. to 2in. Includes removing: clips/clamps/couplings; one junction/outlet/ switch box; 4 wires size no. 8 or smaller box to box. Coil wires. Ladder use not included.

000.17292 hours per 10 ft. section

GT 138 Remove 10 ft section of rigid conduit sizes 1/2in. to 2in. INCLUDES REMOVING: clips/clamps/couplings; one junction/ outlet/switch box; 4 wires sizes no 6. to no. 2 individually bo to box, with each wire separately coiled. Ladder use time not included.

000.22236 hours per ten ft section

GT 134 Install 1-1/4in. to 2in. rigid conduit hung from concrete - per up to ten foot section including connection to existing box every four sections average

000.73406 hours per section

GT 133 Install 1-1/4in. to 2in. rigid conduit hung from wood per up to ten foot section including connection to existing box every fou sections average

000.54186 hours per section

GT 131 Install 1-1/4in. to 2in. rigid conduit on concrete per up to ten foot section including connection to existing box every four sections average

000.60562 hours per section

GT 129 Install 1-1/4in. to 2in. rigid conduit on wood per up to ten foot section including connection to existing box every four sections average

000.41750 hours per section

GT 126 Install up to ten foot section of 1/2in. to 2in. rigid conduit on wood or concrete surface in restricted area such as attic, crawlspace or behind wall

000.62934 hours per section

GT 136 Remove 10ft. section of rigid conduit sizes 1/2in. to 2in. Includes removing: clips/clamps/couplings; one junction/outlet/ switch box; 4 wires size no. 8 or smaller box to box. Coil wires. Ladder use not included.

000.17292 hours per 10 ft. section

GT 138 Remove 10 ft section of rigid conduit sizes 1/2in. to 2in. INCLUDES REMOVING: clips/clamps/couplings; one junction/ outlet/switch box; 4 wires sizes no 6. to no. 2 individually bo to box, with each wire separately coiled. Ladder use time not included.

000.22236 hours per ten ft section

GT 154 Install 2-1/2in. to 4in. rigid conduit hung from concrete per up to ten foot section including connection to existing box every four sections average

000.91076 hours per section

GT 153 Install 2-1/2in. to 4in. rigid conduit hung from wood per up to ten foot section including connection to existing box every fou sections average

000.72218 hours per section

GT 147 Install 2-1/2in. to 4in. rigid conduit to concrete per up to ten foot section including connection to existing box every fou sections average

000.78594 hours per section

GT 135 Install 2-1/2in. to 4in.rigid conduit to wood per up to ten foot section including connection to existing box every four sections average

000.59374 hours per section

GT 140 Remove 10ft. section of rigid conduit sizes 2 1/2in. to 4in. Includes removing: clips/clamps/straps/couplings; one junction/ outlet/switch box; 4-wires size no. 8 or smaller box to box. Coil wires. Ladder use not included.

000.24304 hours per 10 ft section

GT 142 Remove 10 ft section of rigid conduit (sizes 2 1/2in. to 4in.)
INCLUDES REMOVING: clips/clamps/straps/couplings; one junctio /outlet/switch box; 4 wires sizes no 6 to no 2 individually box to box, with each wire separately coiled. Ladder use time not included.

000.29248 hours per ten foot section

GT 113 Install wireway to concrete surface per up to ten foot section including connection to existing box every four sections averag

000.54460 hours per section

GT 111 Install wireway to wood surface per up to ten foot section including connection to existing box every four sections averag

000.44456 hours per section

GT 120 Remove 10ft section of wireway. Includes removing: clips/clamps/ bushings/elbow covers and base plates; junction/utility/switch box; 4 wires no.8 or smaller box to box. coil wires. Ladder use not included.

000.22084 hours per 10 ft section

GT 148 Cut and remove 4 wires from a 10 ft section of conduit. Includes: cutting 4 wires size no. 8 or smaller at the box usin pliers; pulling wires through conduit box to box. Coil wires. Ladder use not included.

000.01102 hours per 10 ft section

GT 150 Cut and Remove 4 wires from a 10 ft section of conduit.
INCLUDES: cutting 4 wires sizes no.6 to no.2 at the box using a hacksaw; pulling wires individually box to box, with each wir separately coiled. Ladder use time not included.

000.06046 hours per ten foot section of wire

GT 038 Assemble and install drop cord to overhead trolley duct system.

000.66481 hours per drop cord

GT 145 Assemble and install footage of trolley duct on concrete ceiling. Assemble and install drop cords

000.33160 hours per JOB SETUP TIME

000.53225 hours per duct section

000.84250 hours per drop cord

GT 094 Remove knockout plug in floor duct. Use electronic receptacle locator to locate plug and use hammer and chisel to remove. On man crew.

000.10684 hours per JOB SETUP TIME

000.01668 hours per plug

000.09980 hours per hole

GT 621 Drill for and install Kendorf rack for overhead cable or wireway run - per rack

000.18349 hours per rack

GT 638 Install conduit or raceway on overhead suspended racks (Kendorf) Work stand used.

000.20822 hours per section

GT 082 Mount junction switch or outlet box on wooden surface - includes connection to conduit

000.16494 hours per box

GT 084 Mount junction box or outlet box to concrete surface - including connection to conduit

000.29566 hours per box

GT 088 Install junction switch or outlet box on wood or concrete surface in restricted area such as attic, crawlspace or behind wall

000.34993 hours per box

Lockout/tagout
Panel Board - install, connect, test single or three phase circuit breaker type
Panel Board - install, connect, test single or three phase fusible type
Install large distribution panels
install circuit breaker and fusible circuits
Remove panel boards
Open knockouts in boxes and panels

TASK TIME STANDARDS LISTING

GT 449	LOCKOUT/TAGOUT BREAKER PANEL (Switch Off/Lock & tag)& Switch On/ unlock & remove tag).			
GT 451	1 phase	50-100 amp	CIRCUIT BREAKER PANEL-to concrete	(install)
GT 452	1 phase	50-100 amp	CIRCUIT BREAKER PANEL-to steel	(install)
GT 450	1 phase	50-100 amp	CIRCUIT BREAKER PANEL-to wood	(install)
GT 457	1 phase	225 amp	CIRCUIT BREAKER PANEL-to concrete	(install)
GT 458	1 phase	225 amp	CIRCUIT BREAKER PANEL-to steel	(install)
GT 456	1 phase	225 amp	CIRCUIT BREAKER PANEL-to wood	(install)
GT 454	3 phase	50-100 amp	CIRCUIT BREAKER PANEL-to concrete	(install)
GT 455	3 phase	50-100 amp	CIRCUIT BREAKER PANEL-to steel	(install)
GT 453	3 phase	50-100 amp	CIRCUIT BREAKER PANEL-to wood	(install)
GT 460	3 phase	225 amp	CIRCUIT BREAKER PANEL-to concrete	(install)
GT 461	3 phase	225 amp	CIRCUIT BREAKER PANEL-to steel	(install)
GT 459	3 phase	225 amp	CIRCUIT BREAKER PANEL-to wood	(install)
GT 648	3 phase	480Y/277 volt	PANEL BOARD to wood surface	(install)
GT 649	3 phase	480Y/277 volt	PANEL BOARD to concrete surface	(install)
GT 650	3 phase	480Y/277 volt	PANEL BOARD to steel column	(install)
GT 462	1 phase	large 600 amp	BREAKER PANEL BOARD	(install/connect)
GT 463	3 phase	large 400 amp	BREAKER PANEL BOARD	

				(install/connect)
GT 495	additional CIRCUIT BREAKER type CIRCUITS			(install)
GT 620	KNOCKOUT - in panel or box with hydraulic punch			
GT 640	KNOCKOUT - in panel or box with hand punch and puller			
GT 468	1 phase	50-100 amp	FUSIBLE PANEL-to concrete	(install)
GT 469	1 phase	50-100 amp	FUSIBLE PANEL-to steel	(install)
GT 467	1 phase	50-100 amp	FUSIBLE PANEL-to wood	(install)
GT 474	1 phase	225 amp	FUSIBLE PANEL-to concrete	(install)
GT 475	1 phase	225 amp	FUSIBLE PANEL-to steel	(install)
GT 473	1 phase	225 amp	FUSIBLE PANEL-to wood	(install)
GT 471	3 phase	50-100 amp	FUSIBLE PANEL-to concrete	(install)
GT 472	3 phase	50-100 amp	FUSIBLE PANEL-to steel	(install)
GT 470	3 phase	50-100 amp	FUSIBLE PANEL-to wood	(install)
GT 477	3 phase	225 amp	FUSIBLE PANEL-to concrete	(install)
GT 478	3 phase	225 amp	FUSIBLE PANEL-to steel	(install)
GT 476	3 phase	225 amp	FUSIBLE PANEL-to wood	(install)
GT 496	additional FUSIBLE SWITCH type CIRCUITS			(install)
GT 485	1 phase	50-100 amp	PANEL-from concrete orwood	(remove)
GT 486	1 phase	50-100 amp	PANEL-from steel	(remove)
GT 489	1 phase	225 amp	PANEL-from concrete orwood	(remove)
GT 490	1 phase	225 amp	PANEL-from steel column	(remove)
GT 487	3 phase	50-100 amp	PANEL-from concrete orwood	(remove)
GT 488	3 phase	50-100 amp	PANEL-from steel column	(remove)
GT 491	3 phase	225 amp	PANEL-from concrete orwood	(remove)
GT 492	3 phase	225 amp	PANEL-from steel column	(remove)

EPS TASK TIME STANDARDS - DESCRIPTIONS AND UNIT HOURS

GT 449 Tagout/Lockout of Distribution Panel Circuit Switch Located Adjacent to Circuit Breaker Box
Includes: Turning Distribution Switch Off and On; Testing Circuit; Writing Tag Information; Placing and Removing Tag and Lock

000.12262 hours per Per Job

GT 451 Install panel board to concrete (circuit breaker-type); 50 to 100 amps, single-phase), connect and test circuits.

000.79561 hours per panel

000.10222 hours per circuit

GT 452 Install panel board on steel column (circuit breaker-type) 50 to 100 amp single phase), connect and test circuits.

001.13426 hours per panel

000.07048 hours per circuit

GT 450 Install panel board to wood (circuit breaker-type, 50-100 amps, single phase); connect and test circuits.

000.60535 hours per panel

000.07048 hours per circuit

GT 457 Install panel board on concrete (circuit breaker-type, 225 amps; single phase), connect and test circuits.

000.85881 hours per panel

000.07048 hours per circuit

GT 458 Install panel board on steel column (circuit breaker-type, 225 amps; single phase), connect and test circuits.

001.16572 hours per panel

000.07048 hours per circuit

GT 456 Install panel board to wood (circuit breaker-type, 225 amps; single phase), connect and test circuits.

000.63681 hours per panel

000.07048 hours per circuit

GT 454 Install panel board to concrete (circuit breaker-type, 50 to 100 amps, three phase); connect and test circuits.

000.86042 hours per panel

000.07048 hours per circuit

GT 455 Install panel board on steel column (circuit breaker-type, 50 to 100 amp, three phase), connect and test circuits.

001.16733 hours per panel

000.07048 hours per circuit

GT 453 Install panel board to wood (circuit breaker-type); 50 to 100 amp, three phase), connect and test circuits.

000.63842 hours per panel

000.07048 hours per circuit

GT 460 Install panel board on concrete (circuit breaker-type, 225 amps; three phase); connect and test circuits.

000.90191 hours per panel

000.07048 hours per circuit

GT 461 Install panel board on steel column (circuit breaker-type (225 amps; three phase); connect and test circuits.

001.20882 hours per panel

000.07048 hours per circuit

GT 459 Install panel board on wood (circuit breaker-type, 225 amps; three phase), connect and test circuit.

000.67991 hours per panel

000.07048 hours per circuit

GT 648 Install 480Y/277 volt panel board to wood surface
Includes unpack components; open knockouts; install couplings; layout and drill mounting holes; install switch and circuit breakers; mount to wall with screws; connect supply and circuit wiring and test.

000.63190 hours per panels

000.25172 hours per circuits

GT 649 Install 480Y/277 volt panel board to concrete surface
Includes unpack components; open knockouts; install couplings; layout and drill mounting holes; install switch and circuit breakers; mount to wall with anchors and screws; connect supply and circuit wiring and test.

000.79885 hours per panels

000.25172 hours per circuits

GT 650 Install 480Y/277 volt panel board to steel column including fabricate mounting brackets
Includes unpack components; open knockouts; install couplings; layout and drill mounting holes; fabricate brackets; install switch and circuit breakers; mount to column with brackets and hardware; connect supply and circuit wiring and test.

001.13908 hours per panels

000.25172 hours per circuits

GT 462 Install and connect large distribution panel board, six circuit, single pole, 600 amps, single-phase breaker-type unit mounted o wood.

001.81512 hours per panel

GT 463 Install and connect large distribution panel board, six circuit, single pole, 400 amps, three-phase, breaker-type unit mounted t steel column.

002.34480 hours per panel

GT 495 Install and connect additional breaker-type circuits in existing distribution panel board.

000.15546 hours per panel

000.13537 hours per breaker

GT 620 Open hole (knockout) in electrical component box with hydraulic punch.

000.07835 hours per hole

GT 640 Open knockout in electrical component box with punch and puller

000.14550 hours per hole

GT 468 Install panel board on concrete (50-100 amp, fusible plug type single phase), connect and test circuits.

001.15805 hours per panel

000.07479 hours per circuit

GT 469 Install panel board on steel column (50-100 amp, fusible plug type, single phase), connect and test circuits.

001.49829 hours per panel

000.07479 hours per circuit

GT 467 Install panel board on wood(50-100 amp, fusible plug type single phase), connect and test circuits.

000.99110 hours per panel

000.07479 hours per circuit

GT 474 Install panel board on concrete (225 amp, fusible plug type single-phase), connect and test circuits.

001.18951 hours per panel

000.07479 hours per circuit

GT 475 Install panel board on steel column (225 amp, fusible plug type single-phase), connect and test circuits.

001.52975 hours per panel

000.07479 hours per circuit

GT 473 Install panel board on wood (225 amp, fusible plug type single-phase), connect and test circuits.

001.02256 hours per panel

000.07479 hours per circuit

GT 471 Install panel board on concrete (50-100 amp, fusible plug type three-phase), connect and test circuits.

001.15938 hours per panel

000.07479 hours per circuit

GT 472 Install panel board on steel column (50-100 amp, fusible plug type, three-phase), connect and test circuits.

001.53136 hours per panel

000.07479 hours per circuit

GT 470 Install panel board on wood (50-100 amp, fusible plug type three-phase), connect and test circuits.

001.02417 hours per panel

000.07479 hours per circuit

GT 477 Install panel board on concrete (225 amp, fusible plug type, three phase), connect and test circuits.

001.23261 hours per panel

000.07479 hours per circuit

GT 478 Install panel board on steel column (225 amp, fusible plug type, three-phase), connect and test circuits.

001.57284 hours per panel

000.07479 hours per circuit

GT 476 Install panel board on wood (225 amps, fusible plug type three-phase), connect and test circuits.

001.06566 hours per panel

000.07479 hours per circuit

GT 496 Install and connect additional fusible plug switchblock type circuits in existing distribution panel board

000.15546 hours per panel

000.14400 hours per circuit

GT 485 Disconnect and remove panel board from wood (50 to 100 amp, single phase, circuit breaker type) and containing circuits.

000.18370 hours per panel

000.05283 hours per circuit

GT 486 Disconnect and remove panel board from steel column (50 to 100 amp, single phase, breaker type) and containing circuits.

000.34664 hours per panel

000.05283 hours per circuit

GT 489 Disconnect and remove panel board from concrete or wood (225 amp single phase, breaker type) and containing circuits

000.21516 hours per panel

000.05283 hours per circuit

GT 490 Disconnect and remove panel board from steel column (225 amp, single phase, breaker type) and containing circuits

000.37810 hours per panel

000.05283 hours per circuit

GT 487 Disconnect and remove panel board from concrete or wood (50 to 100 amp, three phase, breaker type) and containing circuits

000.20628 hours per panel

000.05283 hours per circuit

GT 488 Disconnect and remove panel board from steel column (50 to 100 amp, three phase, breaker type) and containing circuits

000.36922 hours per panel

000.05283 hours per circuit

GT 491 Disconnect and remove panel board from wood or concrete (225 amp three phase, breaker type) and containing circuits

000.24777 hours per panel

000.05283 hours per circuit

GT 492 Disconnect and remove panel board from steel column (225 amp, three phase, breaker type) and containing circuits

000.41071 hours per panel

000.05283 hours per circuit

Wires - connect with solder or connectors
Straight splice single and three phase conductor
"Y"-splice wires
Pull wire to install new and to remove old
Cut access through partition with hole saw
Install receptacles/outlets/switches

TASK TIME STANDARDS LISTING

GT 175	CONNECTOR-wire nut		(connect)-wires	8awg & smaller	
GT 179	CONNECTOR-bolt type		(connect)-wires	4awg to 2/0	
GT 177	CONNECTOR-bolt type		(connect)-wires	6awg	
GT 186	CONNECT -solder		(connect)-wires	8awg & smaller	
GT 056	straight SPLICE	1-conductor	lead sheathed	4/0-450mcm	
GT 053	straight SPLICE	1-conductor	polyethylene jacket	8awg to 3/0	
GT 052	straight SPLICE	1-conductor	polyethylene jacket	1250-2500mcm	
GT 058	straight SPLICE	3-conductor	lead sheath	4/0 - 450mcm	
GT 053	straight SPLICE	3-conductor	polyethylene jacket	8awg to 3/0	
GT 054	straight SPLICE	3-conductor	polyethylene jacket	4/0 - 450mcm	
GT 055	straight SPLICE	3-conductor	polyethylene jacket	500 -1000mcm	
GT 206	"Y" SPLICE			8awg & smaller wire	
GT 208	"Y" SPLICE			6awg wire	
GT 210	"Y" SPLICE			4awg to 2/0 wire	
GT 149	PULL WIRE w/fishtape box to box		(install)	8awg & smaller	
GT 151	PULL WIRE w/fishtape box to box		(install)	6awg to 2awg	
GT 614	ACCESS HOLE-hole saw thru partition		(cut)		
GT 157	duplex RECEPTACLE or SWITCH-double pole				(install)
GT 088	RECEPTACLE or SWITCH in restricted space				(install)
GT 630	receptacle EXTENSION BOX thru new wall				(install)
GT 159	RECEPTACLE explosion proof double pole type				(install)
GT 158	duplex RECEPTACLE/SWITCH				(remove)
GT 155	single POLE SWITCH				(install)
GT 156	single POLE SWITCH				(remove)

GT 175 Cut, separate, form, align, skin and connect pairs of wire ends (No. 8 or smaller, using wire nuts) at each box, not using a ladder.

000.00132 hours per box

000.02419 hours per splice

GT 179 Cut, separate, form, align, skin, connect and insulate pairs of No. 4 to 2/0 circuit wire ends (using bolt-type wire connectors at each box, not using a ladder.

000.00269 hours per box

000.08883 hours per splice

GT 177 Cut, separate, form, align, skin, connect and insulate pairs of wires (No. 6 with solderless bolt type connectors) at each box, without using a ladder.

000.00132 hours per box

000.06877 hours per splice

GT 186 Cut, form, align splice, solder and insulate one pair of wire ends (No. 8 or smaller) at each box, ladder not used

000.07232 hours per JOB SET UP TIME

000.09385 hours per wire

GT 056 Straight splice one, single-conductor, lead sheathed cable, size No. 4/0 through 450 MCM.

003.46486 hours per cable

GT 053 Straight splice one, three-conductor, polyethylene jacket (or equal) cable, size No. 8 through No. 3/0.

006.18950 hours per cable

GT 052 Straight splice single-conductor, polyethylene jacket (or equal) cable, size 1250 MCM through 2500 MCM.

003.21715 hours per conductor

GT 058 Straight splice one, three-conductor. lead sheathed cable, size No. 4/0 through 450 MCM.

006.15661 hours per cable

GT 053 Straight splice one, three-conductor, polyethylene jacket (or equal) cable, size No. 8 through No. 3/0.

006.18950 hours per cable

GT 054 Straight splice one, three-conductor, polyethylene jacket (or equal) cable, size No. 4/0 through 450 MCM.

007.66594 hours per cable

GT 055 Straight splice one, three-conductor, polyethylene jacket (or equal) cable, size 500 MCM through 1000 MCM.

009.89296 hours per cable

GT 206 Make "Y" splices by adding additional wire ends to existing straight splices (wire size No. 8 or smaller) in boxes, without using a ladder.

000.00132 hours per box

000.05096 hours per splice

GT 208 Make "Y" splices by adding additional wire ends to existing straight splices (wire size No. 6) in boxes, without using a ladder.

000.00132 hours per box

000.10320 hours per splice

GT 210 Make "Y" splices by adding additional wire ends to existing straight splices (wire size No. 4 to 2/0) in boxes, without using a ladder.

000.00269 hours per box

000.12326 hours per splice

GT 149 Pull No. 8 or smaller wire(s) through conduit from box to box using fishtape and line. (Total EPS time is time per linear foot of wire(s) pulled together + additional time for each wir to be cut, stripped and attached to the fishtape in the bundle pulled)

000.00364 hours per per linear foot of wire(s) pulled

000.04386 hours per per wire

GT 151 Pull No. 6 up to No. 2 wire from box to box using fishtape to install wire. Time is for linear foot of wire or for a bundle of wires pulled together

000.00550 hours per foot of wire

000.03328 hours per wire

GT 614 Cut access for wire through wooden partition with hole saw mounted in portable power drill

000.05028 hours per hole

GT 157 Install double pole switches or duplex receptacles - form, dress and connect two wires in and two wires out of switch or receptacle; install cover plate and test for operation.

000.04825 hours per JOB SETUP TIME

000.10753 hours per switch/receptacle

GT 088 Install junction switch or outlet box on wood or concrete surface in restricted area such as attic, crawlspace or behind wall

000.34993 hours per box

GT 630 Remove outlet and install box extension and plaster ring to existing box to bring outlet out level with new wall.

000.15628 hours per outlet

GT 159 Install explosion proof two pole receptacle or switch with gasket to existing box including wire connections.

000.04825 hours per JOB SETUP TIME

000.10249 hours per receptacle

GT 158 Remove double pole switches or duplex receptacles - includes removal and installation of cover plate; disconnect 4 wires and tape ends.

000.04825 hours per JOB SETUP TIME

000.10067 hours per switch/receptacle

GT 155 Install single pole switch - form, dress and connect one wire in and one wire out of switch; install cover plate and test for operation.

000.04825 hours per JOB SETUP TIME

000.08860 hours per switch

GT 156 Remove single pole switches - includes removal and installation of cover plate; disconnect wires and tape ends.

000.01372 hours per JOB SETUP TIME

000.07966 hours per switch

- Airfield lighting
- Emergency lighting
- Flood lamps and exterior lighting
- Highway (street) lighting
- Sodium lamps

TASK TIME STANDARDS LISTING

GT 636		VASI (visual approach slope indicator) lights -(adjust)	
GT 637		VASI (visual approach slope indicator) lights -(calibrate aiming bar)	
GT 250		EMERGENCY LIGHTING	(install)
GT 293		FLOOD LAMP using hydraulic bucket	(relamp)
GT 292		FLOOD LAMP using hydraulic extension ladder	(relamp)
GT 412	incandescent	STREET LIGHT,FIXTURE &WIRES from pole	(remove)
GT 415	incandescent	SUPPORT ARM & FIXTURE from pole	(remove)
GT 413	400 watt	SODIUM LIGHTING	(install)
GT 414		INCANDESCENT LIGHT with SODIUM LAMP	(replace)
GT 644	exterior	LIGHT FIXTURE mount to wall	(replace)
GT 657	TEMPORARY	Hang temporary lights, per 10 ft. section	(install)

EPS TASK TIME STANDARDS - DESCRIPTIONS AND UNIT HOURS

GT 636 Adjust VASI (Visual Approach Slope Indicator) lights on airfield - does not include calibration of aiming bar - see GT-637.

000.13870 hours per location

000.06727 hours per unit

GT 637 Calibrate VASI (Visual Approach Slope Indicator) aiming bar to be used in alignment of VASI lights on airfield.

000.12088 hours per calibration

GT 250 Install emergency light fixture on concrete block wall with conduit going through one wall for each unit added to a circuit at panel box.
Limit to 3-units per panel box. Section = up to ten foot sectio of conduit.

000.39377 hours per JOB SETUP TIME

000.45322 hours per section

001.42442 hours per fixture

GT 293 Relamp one floodlamp on building or pole using hydraulic bucket, on bucket truck (two man operation).

000.18926 hours per fixture

GT 292 Relamp floodlamps on tower (60ft.-80ft.) - using hydraulic extension ladder to tower ladder, boxes of bulbs. (12 bulbs to a box).

000.21880 hours per JOB SETUP TIME

000.02752 hours per bulb

000.03796 hours per box (12 bulbs per box)

GT 412 Remove old lines from insulators and incandescent street light fixtures from existing poles.
Bucket truck used.

000.05020 hours per JOB SETUP TIME

000.12072 hours per pole

GT 415 Remove street lamp support arm and fixture from pole using bucket truck bucket: obstructed; 3 man crew.

000.10802 hours per JOB SETUP TIME

000.07526 hours per pole

000.31674 hours per lamp

GT 413 Install 400 watt high pressure sodium street lights to existing poles.
Bucket truck used.
Two men required.

000.03268 hours per JOB SETUP TIME

000.11706 hours per 500 LF of cable

000.11306 hours per pole

000.33278 hours per light

GT 414 Remove old lines from insulators and incandescent street light fixtures from existing poles and reinstall 400 watt high pressure sodium street lights.
Bucket truck used.
Two men required

000.08288 hours per JOB SETUP TIME

000.23378 hours per pole

000.33278 hours per light

000.11706 hours per 500 LF of cable

GT 644 Replace exterior light fixture mounted on vertical wall. Ladder time not included.

000.11872 hours per fixtures

GT 657 Hang temporary lights, per 10 Lin. Ft. Includes- walk to get/aside items, walk 10 paces, position wire and secure with tie wire. (No ladder time included)

000.02182 hours per 10 Lin Ft.

Replace tube/ballast/starter/starter socket
Replace floor lamp cord
Install recessed (Troffer) lighting
Stem mounted - Install/disassemble/remove/replace
Surface mounted - install/relamp/disassemble/remove/replace

TASK TIME STANDARDS LISTING

GT 300	4ft. TUBE	(remove & reinstall)	
GT 301	BALLAST	(replace)	-inclds.access & reassembly
GT 302	STARTER	(replace)	-inclds.access & reassembly
GT 303	SOCKET	(replace)	-inclds.access & reassembly
GT 020	CORD in floor lamp	(replace)	
GT 616	recessed FIXTURES-Troffer reflector	(install)	
GT 258	stem mount 2,4-tube	FIXTURE(disassemble/remove)	
GT 259	stem mount 2,4-tube INTERCONNECTED	FIXTURE(disassemble/remove)	
GT 246	stem mount 2,4-tube	FIXTURE	(install)
GT 247	stem mount 2,4-tube INTERCONNECTED	FIXTURES	(install)
GT 242	stem mount 2,4-tube	TO JUNCTION BOX	(install)
GT 243	stem mount 2,4-tube INTERCONNECTED	TO JUNCTION BOX	(install)
GT 572	stem mount	w/STEM MOUNT TO JUNCTION BOX	(replace)
GT 573	stem mount	w/INTERCONNECTED STEM MOUNT TO JUNCTION BOX	(replace)
GT 574	stem mount	w/SURFACE MOUNT TO JUNCTION BOX	(replace)
GT 575	stem mount	w/INTERCONNECTED SURFACE MOUNT	(replace)
GT 576	stem mount	w/MOUNT ADJACENT TO JUNCTION BOX	(replace)
GT 577	stem mount	w/INTERCONNECTED ADJACENT MOUNTED	(replace)
GT 578	stem mount	w/SURFACE MOUNT ADJACENT TO JUNCTION BOX	(replace)
GT 579	stem mount	w/INTERCONNECTED SURFACE MOUNT	(replace)
GT 580	stem mount	w/SURFACE MOUNT INCANDESCENT	(replace)
GT 581	stem mount	w/STEM MOUNT INCANDESCENT	(replace)
GT 256	surface mount 2,4-tube	(disassemble/remove)	
GT 257	surface mount 2,4-tube INTERCONNECTED	(disassemble/remove)	
GT 244	surface mount 2,4-tube TO ADJACENT JUNCTION BOX		(install)
GT 245	surface mount 2,4-tube INTERCONNECTED TO JUNCTION BOX		(install)
GT 240	surface mount 2,4-tube TO JUNCTION BOX		(install)
GT 241	surface mount 2,4-tube INTERCONNECTED TO JUNCTION BOX		(install)
GT 280	surface standard	GLASS DIFFUSED type	(relamp)
GT 281	surface standard	OPEN REFLECTOR type	(relamp)
GT 282	surface standard	VAPOR SEALED type	(relamp)
GT 582	surface mount	w/STEM MOUNT TO JUNCTION BOX	(replace)

GT 583	surface mount	w/INTERCONNECTED STEM MOUNT	(replace)
GT 584	surface mount	w/SURFACE MOUNT TO JUNCTION BOX	(replace)
GT 585	surface mount	w/INTERCONNECTED TO JUNCTION BOX	(replace)
GT 586	surface mount	w/STEM MOUNT ADJACENT TO JUNCTION BOX	(replace)
GT 587	surface mount	w/INTERCONNECTED STEM MOUNT ADJACENT TO JUNCTION BOX	(replace)
GT 588	surface mount	w/SURFACE ADJACENT TO JUNCTION BOX	(replace)
GT 589	surface mount	w/INTERCONNECTED SURFACE MOUNT	(replace)
GT 590	surface mount	w/SURFACE MOUNT INCANDESCENT	(replace)
GT 591	surface mount	w/STEM MOUNT INCANDESCENT	(replace)

EPS TASK TIME STANDARDS - DESCRIPTIONS AND UNIT HOURS

GT 300 Remove and install/reinstall 4ft. fluorescent tube. Test fixture after repairs

000.02397 hours per fixture

000.06479 hours per tube

GT 301 Fluorescent fixture components - remove and replace ballast (including removal and reinstallation of louver, tubes, ballast and test after repair

000.05924 hours per fixture

000.06479 hours per tube

000.51441 hours per ballast

GT 302 Fluorescent fixture components - remove and replace starter (includes removal and reinstallation of louver, tubes, starter and test fixture

000.02397 hours per fixture

000.06479 hours per tube

000.00372 hours per starter

GT 303 Fluorescent fixture components - remove and replace socket (includes removal and reinstallation of louver, fluorescent tubes, starter and test fixture after repairs

000.04105 hours per fixture

000.06479 hours per tube

000.04471 hours per socket

GT 020 Remove old and install new cord in socket type floor lamp.

000.50324 hours per lamp cord

GT 616 Install recessed fluorescent light (troffer) fixtures in suspended ceiling - two fixtures per job

001.33373 hours per two fixtures

GT 258 Disassemble and remove stem mounted, two or four tube, open reflector or diffuser/louver type fluorescent fixtures, conductors in stem.
Fixture = Number of fixtures removed.

000.38044 hours per fixture

GT 259 Disassemble and remove interconnected, stem mounted, two or four tube, open reflector or diffuser/louver type fluorescent fixtures, conductors in stem.

000.06479 hours per JOB SETUP TIME

000.21771 hours per fixture

GT 246 Assemble and install stem mounted, two or four tube, open reflector or diffuser/louver type fixtures, mounted adjacent to junction box, conductor wires pulled.

000.81561 hours per fixture

GT 247 Assemble and install interconnected, stem mounted two or four, open reflector or diffuser/louver type fixtures, mounted adjacent to junction box, conductor wires pulled.

000.70919 hours per fixture

GT 242 Assemble and install stem mounted, two or four tube, open reflector or diffuser/louver type fixtures, fastened to overhead junction box and ceiling mounted bracket, conductor wires pulled.

000.67730 hours per fixture

GT 243 Assemble and install interconnected, stem mounted, two or four tube, open reflector or diffuser/louver type fixtures, fastened to overhead junction box and ceiling mounted bracket, conductor wires pulled.

000.94434 hours per fixture

GT 572 Disassemble and remove, stem mounted, two or four tube, open reflector or diffuser/louver type fluorescent fixture, fastened to overhead junction box and ceiling mounted bracket. Includes pull conductors. Assemble and install new fixture, conductor wires pulled.

001.06302 hours per fixtures

GT 573 Disassemble and remove stem mounted, two or four tube, open reflector or diffuser/louver type fluorescent fixture. Include pull conductors. Assemble and install interconnected fixture, fastened to overhead junction box and ceiling mounted bracket, conductor wires pulled.

001.33006 hours per fixture

GT 574 Disassemble and remove, stem mounted, two or four tube, open reflector or diffuser/louver type fluorescent fixture, conductors in stem. Assemble and install surface mounted fixture fastened to overhead junction box and ceiling mounted bracket. (does not include hook-up time).

000.68903 hours per fixture

GT 575 Disassemble and remove stem mounted, two or four tube, open reflector or diffuser/louver type fluorescent fixture, conductors in stem. Assemble and install interconnected, surface mounted fixture, fastened to overhead junction box and ceiling mounted bracket.

001.01331 hours per fixture

GT 576 Disassemble and remove stem mounted two or four tube, open reflector or diffuser/louver type fluorescent fixture, conductors in stem. Assemble and install adjacent to junction box, conductor wires pulled.

001.20133 hours per fixture

GT 577 Disassemble and remove stem mounted, two or four tube, open reflector or diffuser/louver type fluorescent fixture, conductors in stem. Assemble and install interconnected, stem mounted fixture adjacent to junction box, conductor wires pulled.

001.09491 hours per fixture

GT 578 Disassemble and remove stem mounted, two or four tube, open reflector or diffuser/louver type fluorescent fixture, conductors in stem. Assemble and install, surface mounted fixture, mount adjacent to junction box.

000.86811 hours per fixture

GT 579 Disassemble and remove stem mounted, two or four tube, open reflector or diffuser/louver type fluorescent fixture, conductors in stem. Assemble and install, interconnected, surface mounted fixture, mount adjacent to junction box.

001.26271 hours per fixture

GT 580 Disassemble and remove stem mounted, two or four tube, open reflector or diffuser/louver type fluorescent fixture, conducttors in stem. Assemble and install, surface mounted, open or closed reflector incandescent fixture fastened to overhead junction box.

000.58766 hours per fixture

GT 581 Disassemble and remove, stem mounted, two or four tube, open reflector or diffuser/louver type fluorescent fixture, conductors in stem. Assemble and install, stem mounted, open or close reflector incandescent fixture fastened to overhead junction bo

000.88078 hours per fixture

GT 256 Disassemble and remove surface mounted, two or four tube, open reflector or diffuser/louver type fluorescent fixtures.

000.26213 hours per fixture

GT 257 Disassemble and remove interconnected, surface mounted, two or four tube, open reflector or diffuser/louver type fluorescent fixtures.
Fixture = number of interconnected fixtures to be removed.
Note it would not be a interconnected fixture if fixteres were less than two.

000.14653 hours per JOB SETUP TIME

000.15211 hours per fixture

GT 244 Assemble and install surface mounted, two or four tube, open reflector or diffuser/louver type fluorescent fixtures, mounted adjacent to junction box.

000.48239 hours per fixture

GT 245 Assemble and install interconnected, surface mounted, two or four tube, open reflector or diffuser/louver type fluorescent fixtures, mounted adjacent to junction box.

000.87699 hours per fixture

GT 240 Assemble and install surface mounted, two or four tube, open reflector or diffuser/louver type fluorescent fixtures, fastened to overhead junction box and ceiling mounted bracket. (does not include hook-up time).

000.30331 hours per fixture

GT 241 Assemble and install interconnected, surface mounted, two or four tube, open reflector or diffuser/louver type fluorescent fixtures, fastened to overhead junction box and ceiling mounted bracket.

000.62759 hours per fixture

GT 280 Relamp standard, glass type fluorescent fixture, using stepladder - return old tubes.

000.02317 hours per lamp

000.01438 hours per fixture

GT 281 Relamp standard open reflector type fluorescent fixture using stepladder - return old type.

000.02317 hours per lamp

000.00612 hours per fixture

GT 282 Relamp vapor (sealed) type fluorescent fixtures using stepladder - return old tubes.

000.02317 hours per lamp

000.04407 hours per fixture

GT 582 Disassemble and remove surface mounted, two or four tube, open reflector or diffuser/louver type fluorescent fixture. Assembl and install, stem mounted, two or four tube, open reflector or diffuser/louver type fluorescent fixture, fastened to overhead junction box and ceiling mounted bracket, conductor wires pulled.

000.93943 hours per fixture

GT 583 Disassemble and remove surface mounted, two or four tube, open reflector or diffuser/louver type fluorescent fixture. Assembl and install, interconnected, stem mounted fixture, fastened to overhead junction box and ceiling mounted bracket, conductor wires pulled.

001.20647 hours per fixture

GT 584 Disassemble and remove surface mounted, two or four tube, open reflector or diffuser/louver type fluorescent fixture. Assembl and install, surface mounted fixture, fastened to overhead junction box and ceiling mounted bracket. (does not include hook-up time).

000.56544 hours per fixture

GT 585 Disassemble and remove surface mounted, two or four tube, open reflector or diffuser/louver type fluorescent fixture. Assembl and install, interconnected fixture, fastened to overhead junction box and ceiling mounted bracket.

000.88972 hours per fixture

GT 586 Disassemble and remove surface mounted, two or four tube, open reflector or diffuser/louver type fluorescent fixture. Assembl and install, stem mounted fixture, mount adjacent to junction box, conductor wires pulled.

001.07774 hours per fixture

GT 587 Disassemble and remove surface mounted, two or four tube, open reflector or diffuser/louver type fluorescent fixture. Assembl and install, interconnected, stem mounted fixture, mount adjacent to junction box, conductor wires pulled.

000.97132 hours per fixture

GT 588 Disassemble and remove surface mounted, two or four tube, open reflector or diffuser/louver type fluorescent fixture. Assembl and install, surface mounted fixture, mount adjacent to junctio box.

000.74452 hours per fixture

GT 589 Disassemble and remove surface mounted, two or four tube, open reflector or diffuser/louver type fluorescent fixture. Assembl and install, interconnected, surface mounted fixture, mounted adjacent to junction box.

001.13912 hours per fixture

GT 590 Disassemble and remove surface mounted, two or four tube, open reflector or diffuser/louver type fluorescent fixture. Assembl and install, surface mounted, open or closed reflector incandes cent fixture fastened to overhead junction box.

000.46407 hours per fixture

GT 591 Disassemble and remove surface mounted, two or four tube, open reflector or diffuser/louver type fluorescent fixture. Assembl and install, stem mounted, open or closed reflector incandescen fixture fastened to overhead junction box.

000.75719 hours per fixture

Stem mounted fixtures - install/relamp/disassemble/remove
Replace stem mounted fixtures
Replace surface mounted fixtures
Surface mounted fixtures - install/disassemble/remove
Relamp with bulb changer: Instl/Rpl Emergency Exit Sign

TASK TIME STANDARDS LISTING

GT 261	STEM MOUNT FIXTURE	(disassemble/remove)
GT 249	STEM MOUNTED FIXTURE	(install)
GT 283	STEM MOUNT BULB- explosion proof to 300 watt	(relamp)
GT 287	STEM MOUNT BULB- flush mount glass diffused	(relamp)
GT 285	STEM MOUNT BULB- frosted globe to 300 watts	(relamp)
GT 284	STEM MOUNT BULB- open reflector to 300 watts	(relamp)
GT 286	STEM MOUNT-vapor proof w/LADDER to 300 watts	(relamp)
GT 289	incandescent BULB w/BULB CHANGER to 9ft.high	(relamp)
GT 290	incandescant BULB w/BULB CHANGER to 18ft.high	(relamp)
GT 291	incandescant BULB w/BULB CHANGER to 27ft.high	(relamp)
GT 602	STEM MOUNT w/STEM MOUNT FLUORESCENT	(replace)
GT 603	STEM MOUNT w/INTERCONNECTED STEM MOUNT FLUORESCENT	(replace)
GT 604	STEM MOUNT w/SURFACE MOUNT FLUORESCENT	(replace)
GT 605	STEM MOUNT w/INTERCONNECTED SURFACE FLUORESCENT	(replace)
GT 606	STEM MOUNT w/ADJACENT STEM MOUNT FLUORESCENT	(replace)
GT 607	STEM MOUNT w/INTERCONNECTED STEM MOUNT FLUORESCENT	(replace)
GT 608	STEM MOUNT w/SURFACE FLUORESCENT ADJACENT TO JUNCTION BOX	(replace)
GT 609	STEM MOUNT w/INTERCONNECTED SURFACE FLUORESCENT ADJACENT TO JUNCTION BOX	(replace)
GT 610	STEM MOUNT w/SURFACE MOUNT	(replace)
GT 611	STEM MOUNT w/STEM MOUNT	(replace)
GT 260	SURFACE MOUNT	(disassemble & remove)
GT 248	SURFACE MOUNT	(install)
GT 592	SURFACE MOUNT w/STEM MOUNT FLUORESCENT	(replace)
GT 593	SURFACE MOUNT w/INTERCONNECTED STEM MOUNT FLUORESCENT	(replace)
GT 594	SURFACE MOUNT w/SURFACE FLUORESCENT	(replace)
GT 595	SURFACE MOUNT w/INTERCONNECTED SURFACE FLUORESCENT	(replace)
GT 596	SURFACE MOUNT w/STEM MOUNT FLUORESCENT ADJACENT TO JUNCTION BOX	(replace)
GT 597	SURFACE MOUNT w/INTERCONNECTED STEM MOUNT FLUORESCENT adjacent to junction box	(replace)
GT 598	SURFACE MOUNT w/SURFACE FLUORESCENT adjacent to box	(replace)
GT 599	SURFACE MOUNT w/INTERCONNECTED SURFACE FLUORESCENT adjacent to box	(replace)
GT 600	SURFACE MOUNT w/SURFACE MOUNT	(replace)

GT 601 SURFACE MOUNT w/STEM MOUNT (replace)
GT 251 SURFACE MOUNT- Emergency Exit Sign (install)

EPS TASK TIME STANDARDS - DESCRIPTIONS AND UNIT HOURS

GT 261 Disassemble and remove stem mounted incandescent fixtures.

000.16071 hours per fixture

GT 249 Assemble and install stem mounted, open or closed reflector fixture, with variable No. of bulbs, fastened to overhead junction box.

000.49506 hours per fixture

GT 283 Relamp incandescent explosion proof type fixtures up to 300 watt bulbs using stepladder.

000.03910 hours per fixture

GT 287 Relamp incandescent, flush mounted, glass diffused type fixtures up to 300 watt bulbs, using ladder.

000.05281 hours per fixture

GT 285 Relamp incandescent, frosted globe enclosd type fixture; up to 300 watt bulbs - using ladder.

000.03422 hours per fixture

GT 284 Relamp incandescent open reflector type fixtures; up to 300 watt bulbs, no ladder.

000.00456 hours per fixture

GT 286 Relamp incandescent vapor-proof type fixtures; up to 300 watt bulbs used - using ladder.

000.03030 hours per fixture

GT 289 Relamp incandescent fixtures using 9ft. bulb changer up to 750 watt bulbs.

000.02210 hours per fixture

GT 290 Relamp incandescent fixtures using 18ft. bulb changer; up to 750 watt bulbs.

000.02944 hours per fixture

GT 291 Relamp incandescent fixture using 27ft. bulb changer, up to 750 watt bulbs.

000.03654 hours per fixture

GT 602 Disassemble and remove, stem mounted, incandescent fixture. Assemble and install, stem mounted, two or four tube, open reflector or diffuser/louver type fluorescent fixture, fastened to overhead junction box and ceiling mounted bracket, conductor wires pulled.

000.83801 hours per fixture

GT 603 Disassemble and remove, stem mounted, incandescent fixture. Assemble and install, interconnected, stem mounted, two or four tube, open reflector or diffuser/louver type fluorescent fixture, fastened to overhead junction box and ceiling mounted bracket, conductor wires pulled.

001.10505 hours per fixture

GT 604 Disassemble and remove, stem mounted, incandescent fixtures. Assemble and install, surface mounted, two or four tube, open reflector or diffuser/louver type fluorescent fixture, fastened to overhead junction box and ceiling mounted bracket. (does not include hook-up time).

000.46402 hours per fixture

GT 605 Disassemble and remove, stem mounted, incandescent fixture. Assemble and install, interconnected, surface mounted, two or four tube, open reflector or diffuser/louver type fluorescent fixture, fastened to overhead junction box and ceiling mounted bracket.

000.78830 hours per fixture

GT 606 Disassemble and remove, stem mounted, incandescent fixture. Assemble and install, stem mounted, two or four tube, open reflector or diffuser/louver type fluorescent fixture, mount adjacent to junction box, conductor wires pulled.

000.97632 hours per fixture

GT 607 Disassemble and remove, stem mounted, incandescent fixture. Assemble and install, interconnected, stem mounted, two or four tube, open reflector or diffuser/louver type fluorescent fixture, mount adjacentr to junction box, conductor wires pulled.

000.86990 hours per fixture

GT 608 Disassemble and remove, stem mounted, incandescent fixture. Assemble and install, surface mounted, two or four tube, open reflector or diffuser/louver type fluorescent fixture, mount adjacent to junction box.

000.64310 hours per fixture

GT 609 Disassemble and remove, stem mounted, incandescent fixture. Assemble and install, interconnected, surface mounted, two or four tube, open reflector or diffuser/louver type fluorescent fixture, mount adjacent to junction box.

001.03770 hours per fixture

GT 610 Disassemble and remove, stem mounted, incandescent fixture. Assemble and install, surface mounted, open or closed reflector incandescent fixture, with variable No. of bulbs, fastened to overhead junction box.

000.36265 hours per fixture

GT 611 Disassemble and remove, stem mounted, incandescent fixture. Assemble and install, stem mounted, open or closed reflector incandescent fixture, with variable No. of bulbs, fastened to overhead junction box.

000.65577 hours per fixture

GT 260 Disassemble and remove surface mounted incandescent fixtures.

000.13510 hours per fixture

GT 248 Assemble and install surface mounted, open or closed reflector fixture, with variable No. of bulbs, fastened to overhead junction box.

000.20194 hours per fixture

GT 592 Disassemble and remove separate, surface mounted incandescent fixture. Assemble and install, stem mounted, two or four tube, open reflector or diffuser/louver type fluorescent fixture fastened to overhead junction box and ceiling mounted bracket with conductor wires pulled.

000.81240 hours per fixture

GT 593 Disassemble and remove interconnected, surface mounted, incandescent fixture. Assemble and install, interconnected, ste mounted, two or four tube, open reflector or diffuser/louver type flourescent fixture, fastened to overhead junction box and ceiling mounted bracket, conductor wires pulled.

001.07944 hours per fixture

GT 594 Disassemble and remove, surface mounted, incandescent fixtures. Assemble and install, surface mounted, two or four tube, open reflector or diffuser/louver type fluorescent fixture, fastened to overhead junction box and ceiling mounted bracket. (does not include hook-up time).

000.43841 hours per fixture

GT 595 Disassemble and remove, surface mounted, incandescent fixture. Assemble and install, interconnected, surface mounted, two or four tube, open reflector diffuser louver type fluorescent fixtures, fastened to overhead junction box and ceiling mounted bracket.

000.76269 hours per fixture

GT 596 Disassemble and remove, surface mounted, incandescent fixtures. Assemble and install, stem mounted, two or four tube, open reflector or diffuser/louver type fluorescent fixture, mount adjacent to junction box, conductor wires pulled.

000.95071 hours per fixture

GT 597 Disassemble and remove, surface mounted, incandescent fixture. Assemble and install, interconnected, stem mounted, two or four tube, open reflector or diffuser/louver type fluorescent fixture, mount adjacent to junction box, conductor wires pulled

000.84429 hours per fixture

GT 598 Disassemble and remove, surface mounted, incandescent fixture. Assemble and install, surface mounted, two or four tube, open reflector or diffuser/louver type fluorescent fixture, mount adjacent to junction box.

000.61749 hours per fixture

GT 599 Disassemble and remove, surface mounted, incandescent fixture. Assemble and install, interconnected, surface mounted, two or four tube, open reflector or diffuser/louver type fluorescent fixture, mount adjacent to junction box.

001.01209 hours per fixture

GT 600 Disassemble and remove, surface mounted, incandescent fixture. Assemble and install, surface mounted, open or closed reflector incandescent fixture, with variable No. of bulbs, fastened to overhead junction box.

000.33704 hours per fixture

GT 601 Disassemble and remove, surface mounted, incandescent fixture. Assemble and install, stem mounted, open or closed reflector incandescent fixture, with variable No. of bulbs, fastened to overhead junction box.

000.63016 hours per fixture

GT 251 Install a 9in. x 12in. emergency exit sign on concrete block wall. Includes: drilling block to connect electrical service (ladder time not included)

000.74303 hours per per emergency exit sign to install

Test for toxic gases with test instrument or colormetric gel
Inject with carbon dioxide
Pump out with portable or permanent pump
Ventilate with portable pump

TASK TIME STANDARDS LISTING

GT 622	TEST FOR TOXIC GAS-	with atmospheric test instrument
GT 623	TEST FOR TOXIC GAS-	using colormetric indicating gel
GT 624	INJECT CARBON DIOXIDE	into manhole
GT 627	PUMP OUT MANHOLE	with portable gasoline pump
GT 628	PUMP OUT MANHOLE	with portable electric pump
GT 629	PUMP OUT MANHOLE	with permanent sump pump
GT 625	VENTILATE MANHOLE	using portable gasoline blower
GT 626	VENTILATE MANHOLE	using portable electric blower

EPS TASK TIME STANDARDS - DESCRIPTIONS AND UNIT HOURS

GT 622 Test manhole for accumulation of toxic gases with an atmospheric test instrument

000.45186 hours per manhole

GT 623 Test manhole for accumulation of toxic gases with colorimetric indicating gel tube

000.47602 hours per manhole

GT 624 Inject carbon dioxide into manhole to reduce possibility of explosion

000.53434 hours per manhole

GT 627 Pump water from manhole with portable gasoline driven pump - run time not included

000.22376 hours per manhole

GT 628 Pump water from manhole with portable electric driven pump - run time not included

000.24643 hours per manhole

GT 629 Pump water from manhole with permanently installed electric driven pump - run time not included

000.13263 hours per manhole

GT 625 Ventilate manhole with portable gasoline driven blower - run time not included

000.23588 hours per manhole

GT 626 Ventilate manhole with portable electric driven blower - run time not included

000.18989 hours per manhole

Temporary electrical service - install and remove
Grounding rods - install and remove
Grounding systems - check/repair/test bonding

TASK TIME STANDARDS LISTING

GT 617	TEMPORARY SERVICE up to 100 amps	(install)
GT 618	TEMPORARY SERVICE over 100 amps	(install)
GT 406	GROUNDING RODS	(install/remove)
GT 407	GROUNDING ROD including wire molding on pole	(install)
GT 504	CHECK RESISTANCE of system/install additional rod	(test)
GT 503	CHECK RESISTANCE of system/install additional jumper wire	(test)
GT 505	REPAIR GROUNDING TERMINAL/make operational check	(test)
GT 501	TEST ground BONDING at 8 terminal points	(test)
GT 502	TEST ground BONDING at 10 terminal points	(test)

EPS TASK TIME STANDARDS - DESCRIPTIONS AND UNIT HOURS

GT 617 Install and later remove temporary electrical service - up to 100 Amp - during maintenance operations

000.28785 hours per service

GT 618 Install and later remove temporary electrical service - over 100 Amp - during maintenance operations

000.50511 hours per service

GT 406 Install or remove ground rods (3/4in. x 10ft.) and clamp ground wire to rod, including partial excavation and backfill

000.49452 hours per ground rod

GT 407 Install ground wire and rod including protective wire molding on pole includes clamping ground wire to rod and use of protective line insulation.

000.99881 hours per ground rod

GT 504 Check resistance of grounding system at smokeless powder magazine or high explosive magazine and install one additional ground rod - includes setting up test equipment, reading instrument and connecting rod to system.

000.21266 hours per system

000.25557 hours per rod

GT 503 Check resistance of segment of grounding system at high explosive or smokeless magazine and install one additional jumper wire between two external appendages - includes reading instrument and connecting wire to two terminal points.

000.21266 hours per system

000.58199 hours per wire

GT 505 Make operational test and repair of one grounding terminal connection within a high explosive magazine - includes setting up test equipment, connecting portable generator, reading instrument and repairing defective connection.

000.17528 hours per system

000.63124 hours per terminal

GT 501 Test bonding of grounding system at eight terminal points on storage racks in high explosive magazine - includes walking around and inside magazine, connecting test equipment and reading instruments.

000.18344 hours per magazine

GT 502 Test bonding of grounding system at ten terminal points on storage racks in smokeless powder magazine - includes walking around and inside magazine, connecting test equipment and reading instruments.

000.19602 hours per magazine

Pole climbing/Bucket truck use
Cut pole
Crossarms/pole steps - install/remove
Straighten poles
Primary switches - open and close
Jumpers/lightning arrestors - install
High voltage pins and insulators - install/remove
Conductors - reposition
Cut outs - install
Clevis insulators - install

TASK TIME STANDARDS LISTING

GT 420	CLIMB POLE	with belt & gaffe
GT 421	POLE WORK	using BUCKET truck
GT 443	CUT OFF-pole	obstructed POLE
GT 444	CUT OFF-pole	unobstructed POLE
GT 437	INSTALL STEPS	to pole on ground
GT 422	INSTALL single CROSSARM	to pole
GT 423	double CROSSARM	to pole (install)
GT 440	ENTER & LEAVE SECURED	storage AREA
GT 441	LOAD & UNLOAD POLES	on trailer
GT 418	single CROSSARM	from pole (remove)
GT 419	double CROSSARM	from pole (remove)
GT 370	STRAIGHTEN POLE	without conductors using truck & winch
GT 371	STRAIGHTEN POLE without	conductors using jack
GT 372	STRAIGHTEN POLE with	conductors using truck & winch
GT 373	STRAIGHTEN POLE with	conductors using jack
GT 424	PINS & INSULATORS	(install or remove)
GT 425	INSULATORS	(remove/reinstall)& reposition conductors
GT 426	CONDUCTORS	(reposition)
GT 427	PINS & INSULATORS	(remove & reinstall)
GT 435	JUMPER CONNECTIONS	(install)
GT 408	JUMPER WIRES in unobstructed space	(install)
GT 409	JUMPER WIRES in obstructed space	(install)
GT 445	FUSED LIGHTNING ARRESTOR circuits	(install)
GT 436	low voltage PIN BRACKET & COMMUNICATION WIRE	(install)
GT 442	PRIMARY SWITCHES-open & close	(open & close)
GT 438	CARTRIDGE FUSES with cut out switches	(replace)
GT 434	CLEVIS INSULATORS	(install)

GT 420 Pole time; time required to ascend standard utility pole. Method (A); time for gaffe and belt method.

000.34375 hours per pole

GT 421 Pole time: time required to ascend standard utility pole. Method (B); bucket. Includes truck set up time.

000.21896 hours per pole

GT 443 Cut-off section of pole tip in place using hand saw and lower to ground through energized conductor area - does not include pole ascent time.

000.53806 hours per pole

GT 444 Cut-off section of pole tip in place using hand saw - no obstructions - not including time for pole ascent.

000.08628 hours per pole

GT 437 Install pole steps on ground - includes drilling holes.

000.31247 hours per pole

GT 422 Install one single crossarm from pole - conductors previously removed; pins and insulators not removed.

000.34596 hours per crossarm

GT 423 Install double crossarms from pole - conductors previously removed; pins and insulators not removed.

000.66522 hours per crossarm

GT 440 Enter and leave secured electrical equipment storage yard twice with line truck and crew of three men.

000.21096 hours per day

GT 441 Load poles on truck and trailer at pole yard and unload at work site using hydraulically activated pole derrick raised and lowered to working and travel positions at pole yard and at work site.

000.27870 hours per JOB SETUP TIME

000.50904 hours per pole

GT 418 Remove one single crossarm from pole - conductors previously removed; pins and insulators not removed.

000.16256 hours per crossarm

GT 419 Remove double crossarms from pole - conductors previously removed; pins and insulators not removed.

000.45508 hours per crossarm

GT 370 Straighten one free standing pole using truck mounted winch and cable. No conductors to move.

001.57416 hours per pole

GT 371 Straighten one free standing pole using jack. No conductors to move.

001.45287 hours per pole

GT 372 Straighten one free standing pole using truck mounted winch and cable. Reposition conductors.

000.53339 hours per pole

000.26072 hours per conductor

GT 373 Straighten one free standing pole using jack. Reposition conductors.

000.41210 hours per pole

000.26072 hours per conductor

GT 424 Install or remove pins and high voltage insulators in predrilled holes in crossarms on pole; conductors energized.

000.21582 hours per JOB SETUP TIME

000.05635 hours per pin and insulator

GT 425 Remove and reinstall insulators on existing pins and reposition conductors.

000.03453 hours per JOB SETUP TIME

000.19517 hours per conductor

GT 426 Reposition conductors.

000.06402 hours per conductor

GT 427 Remove and reinstall pins and high voltage insulators on pole - reposition conductors (energized system).

000.06906 hours per JOB SETUP TIME

000.19517 hours per conductor

GT 435 Install jumper connections

000.25222 hours per jumper connection

GT 408 Install or remove primary or secondary distribution system jumper wire connection on pole to or from pre-installed insulators - excludes pole ascent or use of protective equipmen

000.30326 hours per jumper wire

GT 409 Install or remove primary or secondary distribution system jumper wire connection on pole to or from pre-installed insulators - includes time for obstructed area.

000.49022 hours per jumper wire

GT 445 Install or remove separately mounted lightning arresters or fused cut-outs on pole - not including work on training wires.

000.14685 hours per arrester or fused cut-out

GT 436 Install or remove: communications wire, pin or low voltage pin bracket with insulators to or from pole (holes pre-drilled in cross arm).

000.04439 hours per unit

GT 442 Open and close four primary feeder line, pole mounted disconnect switches using stick. Working from pole. Does not include pole ascent time.

000.09323 hours per set of switches

GT 438 Remove defective cartridge type fuses and reinstall fused cut-out switches on pole - use stick to open or close switches. From ground.

000.03885 hours per JOB SETUP TIME

000.01638 hours per fuse

GT 434 Install clevis insulators.

000.12162 hours per insulator

Conductors - remove and install
Secondary racks - remove and install

TASK TIME STANDARDS LISTING

GT 319	CONDUCTOR	one 6awg to 1awg	(install)
GT 320	CONDUCTOR	one additional 6awg to 1awg	(install)
GT 323	CONDUCTOR	one 1/0 to 4/0	(install)
GT 324	CONDUCTOR	one additional 1/0 to 4/0	(install)
GT 220	FIRE ALARM	14awg eight conductor fire alarm circuit	(install)
GT 327	CONDUCTOR	one 6awg to 1awg	(remove)
GT 328	CONDUCTOR	one additional 6awg to 1awg	(remove)
GT 331	CONDUCTOR	one 1/0 to 4/0	(remove)
GT 332	CONDUCTOR	one additional 1/0 to 4/0	(remove)
GT 428		3 spool secondary rack	(install)
GT 416		3 spool secondary rack	(remove)
GT 429	Remove/reinstall 3 spool secondary rack		(remove/reinstall)
GT 426		conductors on secondary rack	(reposition)
GT 430		5 spool secondary rack	(install)
GT 417		5 spool secondary rack	(remove)
GT 431		5 spool secondary rack	(remove/reinstall)

EPS TASK TIME STANDARDS - DESCRIPTIONS AND UNIT HOURS

GT 319 String 1 conductor of No. 6 to No. 1 wire across spans and connect to preinstalled insulators. Load, unload and prepare partial coil; wind, load and unload excess wire; energized system.

001.85778 hours per JOB SETUP TIME

000.35200 hours per span

GT 320 String additional conductors of No. 6 to No. 1 wire across spans and connect to preinstalled insulators. Load, unload and prepar one partial coil and prepare new coil. Wind, load and unload excess wire. Energized system.

001.12148 hours per JOB SETUP TIME

000.22235 hours per span

GT 323 String 1 No. 1/0 to No. 4/0 conductor across 1 to 4 spans and connect to preinstalled insulators. Load and unload partial reel. Wind, load and unload excess wire. Energized system.

002.90856 hours per JOB SETUP TIME

000.73237 hours per span

GT 324 String additional No. 1/0 to No. 4/0 conductor across 1 to 4 spans and connect to preinstalled insulators. Energized system Per each additional conductor

002.15922 hours per JOB SETUP TIME

000.68539 hours per span

GT 220 Install wire on poles for fire alarm system using bucket truck and pickup; 4 man crew; includes pole hardware; stringing wire, dead ending wire, installing wire and pole time.

000.80107 hours per JOB SETUP TIME

000.19839 hours per pole

GT 327 Disconnect and remove one No. 6 to No. 1 conductor from spans. Wind, load and unload wire. Energized system.

001.45283 hours per JOB SETUP TIME

000.14437 hours per span

GT 328 Disconnect and remove additional No. 6 to No. 1 conductors from 1 to 4 spans. Wind up, load and unload wire. Energized system

001.30314 hours per JOB SETUP TIME

000.05350 hours per span

GT 331 Disconnect and remove 1 No. 1/0 to 4/0 conductor from spans. Wind, load and unload wire. Energized system.

001.45283 hours per JOB SETUP TIME

000.14437 hours per span

GT 332 Disconnect and remove additional No. 1/0 to 4/0 conductor from spans. Wind, load and unload wire. Energized system.

001.04911 hours per JOB SETUP TIME

000.05350 hours per span

GT 428 Install one 3 spool secondary rack from pole; conductors previously removed.

000.22285 hours per rack

GT 416 Remove one 3 spool secondary rack from pole; conductors are previously removed.

000.13709 hours per rack

GT 429 Remove and reinstall one 3 spool secondary rack from pole; conductors previously removed.

000.56712 hours per rack

GT 426 Reposition conductors.

000.06402 hours per conductor

GT 430 Install one five spool secondary rack to pole; conductors previously removed.

000.32231 hours per rack

GT 417 Remove one five spool secondary rack from pole; conductors previously removed.

000.32231 hours per rack

GT 431 Remove and reinstall one five spool secondary rack from pole; conductors previously removed.

000.74708 hours per rack

Free standing poles - install/remove/reinstall
Non-free standing poles - install/remove/reinstall
Anchor guys/push braces/stub poles - install/remove

TASK TIME STANDARDS LISTING

GT 340	CROSSARM POLE		free standing	single	(install)
GT 342	CROSSARM POLES	2	free standing	single	(install)
GT 341	CROSSARM POLE		free standing	double	(install)
GT 343	CROSSARM POLES	2	free standing	double	(install)
GT 355	PLAIN POLE				(install)
GT 344	TELEGRAPH POLE				(install)
GT 440	Enter and leave secured storage yard				
GT 350	CROSSARM POLE		free standing	single	(remove)
GT 352	CROSSARM POLES	2	free standing	single	(remove)
GT 351	CROSSARM POLE		free standing	double	(remove)
GT 353	CROSSARM POLES		free standing	2 double	(remove)
GT 354	TELEGRAPH POLE				(remove)
GT 366	TELEGRAPH POLE				(remove & reinstall)
GT 360	free standing intermediate pole with single crossarm				(remove & reinstall)
GT 361	free standing intermediate pole with two single crossarms				(remove & reinstall)
GT 362	free standing intermediate pole with double crossarm				(remove & reinstall)
GT 363	free standing INTERMEDIATE pole with two double crossarms				(remove & reinstall)
GT 364	free standing TERMINAL pole with double crossarm				(remove & reinstall)
GT 365	free standing TERMINAL pole with two double crossarms				(remove & reinstall)
GT 380	ANCHOR GUYS				(install)
GT 381	ANCHOR GUYS w/rods				(install)
GT 390	ANCHOR GUYS w/rods				(remove)
GT 395	ANCHOR GUYS				(remove & reinstall)
GT 396	ANCHOR GUYS w/rods				(remove & reinstall)
GT 382	POLE or ARM GUY				(install)
GT 391	POLE or ARM GUY				(remove)
GT 397	POLE or ARM GUY				(remove & reinstall)
GT 385	PUSH BRACE w/hand excavation				(install)
GT 386	PUSH BRACE w/mechanical excavation				(install)
GT 393	PUSH BRACE w/hand excavation				(remove)
GT 399	PUSH BRACE w/mechanical excavation				(remove)
GT 383	STUB POLE w/hand excavation				(install)

GT 384	STUB POLE	w/mechanical excavation	(install)
GT 398	STUB POLE	w/hand excavation	(remove & reinstall)
GT 392	SRUB POLE	w/hand excavation	(remove)
GT 389	STUB POLE	w/guys	(remove)

EPS TASK TIME STANDARDS - DESCRIPTIONS AND UNIT HOURS

GT 340 Install single cross-arm poles, each with pins and insulators.
Excavation and backfill included.
Cross-arm installed to pole on ground.

000.94427 hours per JOB SETUP TIME

003.48358 hours per pole

000.05635 hours per pin

GT 342 Install poles, each with two single cross-arms.
Each pole carries pins and insulators. Cross-arms are installe on the ground.

000.94427 hours per JOB SETUP TIME

003.83412 hours per pole

000.05635 hours per pin

GT 341 Install double cross-arm poles, each with pins and insulators.
Excavation and backfill included.
Cross-arm installed on ground.

000.94427 hours per JOB SETUP TIME

003.98314 hours per pole

000.05635 hours per pin

GT 343 Install poles, each with two double cross-arms.
Each pole carries pins and insulators. Cross-arms are installe on the ground.

000.94427 hours per JOB SETUP TIME

004.83324 hours per pole

000.05635 hours per pin

GT 355 Install pole in ground using line truck with hydraulically operated derrick - includes drilling hole. Pole to have only ground wire and steps installed on it. 3 man crew.

000.23685 hours per JOB SETUP TIME

001.34019 hours per pole

GT 344 Install communications type poles. Two insulator brackets and insulators installed on ground.
Includes excavation and backfill.

000.94427 hours per JOB SETUP TIME

003.16047 hours per pole

GT 440 Enter and leave secured electrical equipment storage yard twice with line truck and crew of three men.

000.21096 hours per day

GT 350 Remove pole with pole derrick. Remove one single cross-arm and brace. Remove pins and insulators from each pole.

000.94427 hours per JOB SETUP TIME

002.15258 hours per pole

000.05635 hours per pin

GT 352 Remove pole with pole derrick. Remove two single cross-arms and braces. Remove pins and insulators from each pole.

000.94427 hours per JOB SETUP TIME

002.30600 hours per pole

000.05635 hours per pin

GT 351 Remove pole with pole derrick. Remove one double cross-arm and brace. Remove pins and insulators from each pole.

000.94427 hours per JOB SETUP TIME

002.43596 hours per pole

000.05635 hours per pin

GT 353 Remove pole with pole derrick. Remove two double cross-arms and braces. Remove pins and insulators from each pole.

000.94427 hours per JOB SETUP TIME

002.87276 hours per pole

000.05635 hours per pin

GT 354 Remove communications pole with pole derrick. Remove two pins and insulators from each pole.

000.94427 hours per JOB SETUP TIME

002.08794 hours per pole

GT 366 Remove old and install new communications type pole with 2 conductors.

000.74083 hours per JOB SETUP TIME

007.28714 hours per pole

GT 360 Remove old and reinstall one new intermediate line pole with one single crossarm carrying conductors.

008.20916 hours per pole

000.14630 hours per conductor

GT 361 Remove old and reinstall one new intermediate line pole with two single crossarms and conductors.

007.91547 hours per pole

000.14630 hours per conductor

GT 362 Remove old and reinstall one new intermediate line pole with one double crossarm carrying conductors.

008.82212 hours per pole

000.27744 hours per conductor

GT 363 Remove old and install one new intermediate line pole with two double crossarms and conductors.

010.20320 hours per pole

000.27744 hours per conductor

GT 364 Remove and reinstall one new terminal pole with one double crossarm and conductors.

007.21320 hours per pole

001.11338 hours per conductor

GT 365 Remove and reinstall one new terminal pole with two double crossarms and conductors.

009.49696 hours per pole

001.11338 hours per conductor

GT 380 Install anchor guys to pre-installed anchors, including drilling holes and adjusting tension in guys.

000.70564 hours per anchor guy

GT 381 Install anchor guys with anchor and rods including hand excavation and backfill of earth and rock (20 CF), drilling holes, an adjusting tension in guys.

002.94990 hours per anchor guy

GT 390 Remove anchor guys and anchor rods, including partial hand excavation and disassembly of guy guards.

000.84145 hours per anchor guy

GT 395 Remove and reinstall anchor guys (without removal/reinstallation of anchors), includes adjusting tension in guys.

001.04107 hours per anchor guy

GT 396 Remove and reinstall anchor guys, including anchors and rods, and adjusting tension in guys - using a bucket truck.

003.79135 hours per anchor guy

GT 382 Install pole or arm guys with strain insulators, including drilling hole and adjusting guy tension

001.06180 hours per pole

GT 391 Remove pole or arm guys.

000.67823 hours per pole

GT 397 Remove and reinstall pole or arm guys, with strain insulator, including drilling holes and adjusting guy tension - bucket truck used.

001.74003 hours per guy

GT 385 Install push braces, including drilling two holes, with excavation by hand and backfill.

000.20344 hours per JOB SETUP TIME

003.84728 hours per pole

GT 386 Install push brace - including drilling two holes, excavation by mechanical auger and backfill.

000.20344 hours per JOB SETUP TIME

002.71544 hours per pole

GT 393 Remove push braces using belt and gaff method (climbing pole).

000.20344 hours per JOB SETUP TIME

003.28253 hours per pole

GT 399 Remove and reinstall push braces. Excavate by hand.

000.40688 hours per JOB SETUP TIME

007.12981 hours per push brace

GT 383 Install unobstructed stub poles with pole guy and anchor with anchor guy, including drilling holes, adjusting tension in guys with excavation by hand, and backfill, using a bucket truck.

000.20344 hours per JOB SETUP TIME

008.52907 hours per stub pole

GT 384 Install unobstructed stub poles with pole guy and anchor with anchor guy, including drilling holes, adjusting tension in guys with mechanical excavation and backfill.

001.42565 hours per JOB SETUP TIME

004.61768 hours per stub pole

GT 398 Remove and reinstall unobstructed stub poles with pole guy and anchor guy with anchor, including drilling holes, adjusting ten sion in guys with excavation by hand and backfill - using a buc ket truck.

005.30840 hours per JOB SETUP TIME

008.73251 hours per stub pole

GT 392 Remove stub poles with pole guys and anchor guys, including partial excavation and cutting anchor rod - using a bucket truck. Excludes backfilling.

000.20344 hours per JOB SETUP TIME

005.10496 hours per pole

GT 389 Remove stub poles with pole guys and anchor guys, including partial excavation, cutting, anchor rod and backfilling - using a bucket truck. Use for one (1) to three (3) poles only; otherwise refer to roads and grounds for backfill material assumed to be included in job preperation time.

002.02941 hours per JOB SETUP TIME

003.44059 hours per stub pole

Lockout/tagout
Circuit breaker switchgear - install and remove
Explosion proof/water and dust tight - install and remove
Fusible safety switch - install and remove
Non-fusible safety switch - install and remove
Circuit breakers - install/remove in industrial line

TASK TIME STANDARDS LISTING

GT 449	LOCKOUT/TAGOUT BREAKER	(Switch Off/lock & tag) & (Switch On/unlock& remove tag).	
GT 521	BREAKER industrial line	(Install) to concrete	8awg & smaller
GT 522	BREAKER industrial line	(Install) to concrete	6awg
GT 523	BREAKER industrial line	(Install) to concrete	4awg to 2/0
GT 518	BREAKER industrial line	(Install) to steel	8awg & smaller
GT 519	BREAKER industrial line	(Install) to steel	6awg
GT 520	BREAKER industrial line	(Install) to steel	4awg to 2/0
GT 515	BREAKER industrial line	(Install) to wood	8awg & smaller
GT 516	BREAKER industrial line	(Install) to wood	6awg
GT 517	BREAKER industrial line	(Install) to wood	4awg to 2/0
GT 562	BREAKER industrial line	(Remove)from steel	8awg & smaller
GT 563	BREAKER industrial line	(Remove)from steel	6awg & larger
GT 560	BREAKER industrial line	(Remove)from wood or concrete	8awg & smaller
GT 561	BREAKER industrial line	(Remove)from wood or concrete	6awg & larger
GT 530	SWITCH explosion proof	(Install)to concrete	8awg & smaller
GT 531	SWITCH explosion proof	(Install)to concrete	6awg
GT 532	SWITCH explosion proof	(Install)to concrete	4awg to 2/0
GT 527	SWITCH explosion proof	(Install)to steel	8awg & smaller
GT 528	SWITCH explosion proof	(Install)to steel	6awg
GT 529	SWITCH explosion proof	(Install)to steel	4awg to 2/0
GT 524	SWITCH explosion proof	(Install)to wood	8awg & smaller
GT 525	SWITCH explosion proof	(Install)to wood	6awg
GT 526	SWITCH explosion proof	(Install)to wood	4awg to 2/0
GT 564	SWITCH explosion proof	(Remove)from wood or concrete	8awg & smaller
GT 565	SWITCH explosion proof	(Remove)from wood or concrete	6awg or larger
GT 566	SWITCH explosion proof	(Remove)from steel	8awg & smaller
GT 567	SWITCH explosion proof	(Remove)from steel	6awg & larger
GT 541	SWITCH non-fusible safety	(Install)to concrete	8awg & smaller
GT 542	SWITCH non-fusible safety	(Install)to concrete	6awg to 2/0

GT 538	SWITCH non-fusible safety (Install)to steel	8awg & smaller
GT 539	SWITCH non-fusible safety (Install)to steel	6awg to 2/0
GT 535	SWITCH non-fusible saftey (Install)to wood	8awg & smaller
GT 536	SWITCH non-fusible saftey (Install)to wood	6awg
GT 537	SWITCH non-fusible safety (Install)to wood	4awg to 2/0
GT 550	SWITCH fusible safety (Install)to concrete	8awg & smaller
GT 551	SWITCH fusible safety (Install)to concrete	6awg to 2/0
GT 547	SWITCH fusible safety (Install)to steel	8awg & smaller
GT 548	SWITCH fusible safety (Install)to steel	6awg to 2/0
GT 544	SWITCH fusible safety (Install)to wood	8awg & smaller
GT 545	SWITCH fusible safety (Install)to wood	6awg
GT 546	SWITCH fusible safety (Install)to wood	4awg to 2/0
GT 568	SWITCH fusible or non,safety (Remove)from wood or concrete	8awg & smaller
GT 569	SWITCH fusible or non,safety (Remove)from wood or concrete	6awg or larger
GT 570	SWITCH fusible or non,safety (Remove)from steel	8awg & smaller
GT 571	SWITCH fusible or non,safety (Remove)from steel	6awg & larger

EPS TASK TIME STANDARDS - DESCRIPTIONS AND UNIT HOURS

GT 449 Tagout/Lockout of Distribution Panel Circuit Switch Located Adjacent to Circuit Breaker Box
Includes: Turning Distribution Switch Off and On; Testing Circuit; Writing Tag Information; Placing and Removing Tag and Lock

000.12262 hours per Per Job

GT 521 Install and connect one industrial line circuit breaker (any amperage) - two or three poles and No. 8 or smaller wires on a concrete surface.

000.36453 hours per breaker

000.03784 hours per wire

GT 522 Install and connect one industrial line circuit breaker (any amperage) - two or three poles and No. 6 wires on a concrete surface.

000.36453 hours per breaker

000.06613 hours per wire

GT 523 Install and connect one industrial line circuit breaker (any amperage) - two or three pole and No. 4 to 2/0 wires on a concrete surface.

000.36727 hours per breaker

000.08620 hours per wire

GT 518 Install and connect one industrial line circuit breaker (any amperage) - two or three poles and No. 8 or smaller wires on a steel column.

000.73749 hours per breaker

000.03784 hours per wire

GT 519 Install and connect one industrial line circuit breaker (any amperage) - two or three poles and No. 6 wires on a steel column.

000.73749 hours per breaker

000.06613 hours per wire

GT 520 Install and connect one industrial line circuit breaker (any amperage) - two or three poles and No. 4 to 2/0 wires on a stee column.

000.74023 hours per breaker

000.08620 hours per wire

GT 515 Install and connect one industrial line circuit breaker (any amperage) - two or three poles and No. 8 or smaller wires on wood surface.

000.23030 hours per breaker

000.03784 hours per wire

GT 516 Install and connect one industrial line circuit breaker (any amperage) - two or three poles and No. 6 wires on wood surface.

000.23030 hours per breaker

000.06613 hours per wire

GT 517 Install and connect one industrial line circuit breaker (any amperage) - two or three poles and No. 4 to 2/0 wires on wood surface.

000.23304 hours per breaker

000.08620 hours per wire

GT 562 Disconnect and remove one (1) circuit breaker (any amperage); two (2) or three (3) poles; with No. 8 and smaller wires (industrial circuit) from a steel column.

000.32644 hours per breaker

000.02078 hours per wire

GT 563 Description: disconnect and remove one (1) circuit breaker (any amperage), two (2) or three (3) poles, with No. 6 and larger wire from a steel column.

000.34398 hours per breaker

000.04420 hours per wire

GT 560 Disconnect and remove one (1) circuit breaker (any amperage) - industrial line; two (2) or three (3) poles and No. 8 and smaller wire from a wood or concrete surface.

000.20237 hours per breaker

000.02078 hours per wire

GT 561 Description: disconnect and remove one (1) circuit breaker (any amperage) - industrial line; two (2) or three (3) poles; No. 6 and larger wire from a wood or concrete surface.

000.21991 hours per breaker

000.04420 hours per wire

GT 530 Install and connect one explosion-proof/water or dust-tight circuit breaker (any amperage) - two or three poles and No. 8 o smaller wires on a concrete surface.

000.43178 hours per breaker

000.03784 hours per wire

GT 531 Install and connect one explosion-proof/water or dust-tight circuit breaker (any amperage) - two or three poles and No. 6 wires on a concrete surface.

000.47833 hours per breaker

000.06613 hours per wire

GT 532 Install and connect one explosion-proof/water or dust-tight circuit breaker (any amperage) - two or three poles and No. 4 t 2/0 wires on a concrete surface.

000.48107 hours per breaker

000.08620 hours per wire

GT 527 Install and connect one explosion-proof/water or dust-tight circuit breaker (any amperage) - two or three poles and No. 8 o smaller wires on a steel column.

000.80474 hours per breaker

000.03784 hours per wire

GT 528 Install and connect one explosion-proof/water or dust-tight circuit breaker (any amperage) - two or three poles and No. 6 wires on a steel column.

000.85129 hours per breaker

000.06613 hours per wire

GT 529 Install and connect one explosion-proof/water or dust-tight circuit breaker (any amperage) - two or three poles and No. 4 t 2/0 wires on a steel column.

000.85403 hours per breaker

000.08620 hours per wire

GT 524 Install and connect one explosion-proof/water or dust-tight circuit breaker (any amperage) - two or three poles and No. 8 and smaller wires on a wood surface.

000.29755 hours per breaker

000.03784 hours per wire

GT 525 Install and connect one explosion-proof/water or dust-tight circuit breaker (any amperage) - two or three poles and No. 6 wires on a wood surface.

000.34410 hours per breaker

000.06613 hours per wire

GT 526 Install and connect one explosion-proof/water or dust-tight circuit breaker (any amperage) - two or three poles and No. 4 t 2/0 wires on a wood surface.

000.34684 hours per breaker

000.08620 hours per wire

GT 564 Disconnect and remove one (1) circuit breaker (any amperage), explosion-proof/water or dust-tight; two (2) or three (3) poles with No. 8 and smaller wire from wood or concrete surface.

000.25499 hours per breaker

000.02078 hours per wire

GT 565 Disconnect and remove one (1) circuit breaker (any amperage), explosion-proof/water or dust-tight; two (2) or three (3) poles with No. 6 and larger wire from wood or concrete surface.

000.30761 hours per breaker

000.04420 hours per wire

GT 566 Disconnect and remove one (1) circuit breaker (any amperage), explosion-proof/water or dust-tight; two (2) or three (3) poles with No. 8 and smaller wire from a steel column.

000.37906 hours per breaker

000.02078 hours per wire

GT 567 Disconnect and remove one (1) circuit breaker (any amperage), explosion-proof/water or dust-tight; two (2) or three (3) poles with No. 6 and larger wire from a steel column.

000.43618 hours per breaker

000.04420 hours per wire

GT 541 Install and connect one non-fusible safety switch (any amperage) single or double throw; two, three, or four poles and No. 8 and smaller wires on a concrete surface.

000.28724 hours per JOB SETUP TIME

000.03784 hours per wire

000.01372 hours per switch

GT 542 Install and connect one non-fusible safety switch (any amperage) single or double throw; two, three, or four poles and No. 6 wir on concrete surface.

000.28724 hours per JOB SETUP TIME

000.06613 hours per wire

000.01372 hours per switch

GT 538 Install and connect one non-fusible safety switch (any amperage) single or double throw; two, three, or four poles and No. 8 and smaller wires on a steel column.

000.66020 hours per JOB SETUP TIME

000.03784 hours per wire

000.01372 hours per switch

GT 539 Install and connect one non-fusible safety switch (any amperage) single or double throw; two, three, or four poles and No. 6 wir on a steel column.

000.66020 hours per JOB SETUP TIME

000.06613 hours per wire

000.01372 hours per switch

GT 535 Install and connect one non-fusible safety switch (any amperage) single or double throw; two, three, or four poles and No. 8 and smaller wires on a wood surface.

000.15301 hours per JOB SETUP TIME

000.03784 hours per wire

000.01372 hours per switch

GT 536 Install and connect one non-fusible safety switch (any amperage) single or double throw; two, three, or four poles and No. 6 wir on a wood surface.

000.15301 hours per JOB SETUP TIME

000.06613 hours per wire

000.01372 hours per switch

GT 537 Install and connect one non-fusible safety switch (any amperage) single or double throw; two, or three, or four poles and No. 4 to 2/0 wires on a wood surface.

000.15575 hours per JOB SETUP TIME

000.08620 hours per wire

000.01372 hours per switch

GT 550 Install and connect one fusible safety switch (any amperage); single or double throw; two, three, or four poles and No. 8 and smaller wire on a concrete surface.

000.29156 hours per JOB SETUP TIME

000.04000 hours per wire

000.01372 hours per switch

GT 551 Install and connect one fusible safety switch (any amperage); single or double throw; two, three, or four poles and No. 6 to 2/0 wire on a concrete surface.

000.29156 hours per JOB SETUP TIME

000.06829 hours per wire

000.01372 hours per switch

GT 547 Install and connect one fusible safety switch (any amperage); single or double throw; two, three, or four poles and No. 8 and smaller wires on a steel column.

000.66452 hours per JOB SETUP TIME

000.04000 hours per wire

000.01372 hours per switch

GT 548 Install and connect one fusible safety switch (any amperage); single or double throw; two, three, or four poles and No. 6 to 2/0 wire on a steel column.

000.66452 hours per JOB SETUP TIME

000.06829 hours per wire

000.01372 hours per switch

GT 544 Install and connect one fusible safety switch (any amperage); single or double throw; two, three or four poles and No. 8 and smaller wires on wood surface.

000.15733 hours per JOB SETUP TIME

000.04000 hours per wire

000.01372 hours per switch

GT 545 Install and connect one fusible safety switch (any amperage); single or double throw; two, three, or four poles and No. 6 wir on a wood surface.

000.15733 hours per JOB SETUP TIME

000.06829 hours per wire

000.01372 hours per switch

GT 546 Install and connect one fusible safety switch (any amperage); single or double throw; two, three, or four poles and No. 4 to 2/0 wires on a wood surface.

000.16007 hours per JOB SETUP TIME

000.08835 hours per wire

000.01372 hours per switch

GT 568 Disconnect and remove one (1) safety switch (any amperage, fusible or non-fusible); two (2), three (3) or four (4) poles with No. 8 and smaller wire from a concrete or wood surface.

000.09838 hours per switch

000.02078 hours per wire

GT 569 Disconnect and remove one safety switch (any amperage, fusible or non-fusible); two, three, or four poles with No. 6 and large wire from a wood or concrete surface.

000.11593 hours per switch

000.02984 hours per wire

GT 570 Disconnect and remove one safety switch (any amperage, fusible or non-fusible); two, three, or four poles with No. 8 and smaller wire from a steel column.

000.22246 hours per switch

000.02078 hours per wire

GT 571 Disconnect and remove one safety switch (any amperage, fusible or non-fusible); two, three, or four poles with No. 6 and large wire from a steel column.

000.24000 hours per switch

000.02984 hours per wire

3 to 15 KVA - install/remove
Wiring connections to 3 to 15 KVA - install/remove
37 1/2 to 50 KVA - install/replace
Fixed energized transformers - PM Inspection

TASK TIME STANDARDS LISTING

GT 439	TRANSFORMER	3 to 15 KVA	w/o connections	(install/remove)
GT 433	TRAMSFORMER	3 to 15 KVA	bank of three	(install/remove)
GT 410	TRANSFORMER	3 to 15 KVA	wiring connections	(install)
GT 411	TRANSFORMER	3 to 15 KVA	wiring connections	(remove)
GT 632	TRANSFORMER	37.5to 50 KVA	with connections	(install)
GT 631	TRANSFORMER	37.5to 50 KVA	with connections	(replace)
GT 403	TRANSFORMER	30 to 75 KVA	with connections	(install/remove)
GT 404	TRANSFORMER	30 to 75 KVA	with connections	(install)
GT 405	TRANSFORMER	30 to 75 KVA	with connections	(remove)
GT 507	TRANSFORMER-small (under 600 watt) energized			(pm inspection)
GT 506	TRANSFORMER-large (over 600 watt) energized			(pm inspection)

EPS TASK TIME STANDARDS - DESCRIPTIONS AND UNIT HOURS

GT 439 Install or remove 3-15 KVA transformers - not including working on training wires.

001.00727 hours per transformer

GT 433 Install or remove banks of three 3-15 KVA transformers on pole, not including work on training wires or time to get to working level.

001.07988 hours per transformer bank

GT 410 Install wiring and make connections for single phase transformer (pole mounted - 15 to 50 KVA) including connections to secondar system, ground lead cut-out, arrester and primary system and fastening wire to insulator.

000.74594 hours per transformer

000.80429 hours per tie

GT 411 Disconnect and remove wiring from single phase transformer (pole mounted 15 to 50 KVA) including connections from primary and secondary systems, ground lead, cut-out and arrester.

000.44904 hours per transformer

000.07803 hours per tie

GT 632 Install new single phase 37 1/2 to 50 KVA transformer to pole including drilling holes and mounting hardware.
For pole access use GT-420 for pole climbing and GT-421 for bucket truck use.

005.38930 hours per transformer

GT 631 Replace single phase 37 1/2 to 50 KVA transformer mounted on pole.
For pole access use GT-420 for pole climbing and GT-421 for bucket truck use.

007.07009 hours per transformer

GT 403 Remove and install three phase 30-75 KVA interior dry core transformer less than 600V
Includes: Removing and installing panel cover; disconnecting an connecting junction box, conduit feeders, and transformer wiring;checking electrical sequential rotation before and after transporting transformer to and from area with handtruck

002.36050 hours per transformer(s)

GT 404 Install three phase 30-75 KVA interior dry core transformer less than 600V
Includes: Attaching junction box and two(2) conduit feeders; cutting, splicing, and attaching wiring to bus bar; checking electrical sequential rotation; moving transformer to area with handtruck

001.42842 hours per transformer(s)

GT 405 Disconnect and remove three phase 30-75 KVA interior dry core transformer less than 600V
Includes: Checking electrical sequential rotation; disconnectin a junction box and two(2) conduit feeders; disconnecting transformer wiring; applying identification tape; removing transformer from area with handtruck

000.93207 hours per transformer(s)

GT 507 Transformers: preventitive maintenance inspection of small energized transformers, in building or surface mounted outside.
add .01 hours for ancillary activities for each job site.

000.21484 hours per transformer

GT 506 Transformers: preventive maintenance inspection of large energized transformers in building or surface mounted outside. add .01 hours for ancillary activities for each job site.

000.29579 hours per transformer

Repair/replace bus bars and barrier boards

TASK TIME STANDARDS LISTING

GT 651 sub station BUS BARS/BARRIER BOARDS (repair/replace)

EPS TASK TIME STANDARDS - DESCRIPTIONS AND UNIT HOURS

GT 651 Replace bus bars and barrier boards in substation. Includes turn power on/off; cut and remove tape; remove/replace bus bars and barrier boards and hardware; replace insulating sleeve on bar; install waterproof tape; install insulating tape test.

000.05311 hours per JOB SETUP TIME

001.02425 hours per bus bars

000.07071 hours per boards

TASK TIME STANDARDS DEVELOPMENT BACKUP

GT 001 1 CHECK TUBES, REINSTALL NEW AS NEEDED.
2 REMOVE FROM CASE AND REINSTALL.
3 TEST PARTS. XXX
4 REMOVE AND REINSTALL SMALL SIZE PART.
5 REMOVE AND REINSTALL MEDIUM SIZE PART.
6 CLEAN CHASSIS.
7 MATERIAL HANDLING.

GT 002 1 CHECK TUBES, REINSTALL NEW AS NEEDED.
2 REMOVE FROM CASE AND RETURN.
3 CLEAN AMPLIFIER.
4 TEST PARTS.
5 REMOVE AND REINSTALL SMALL ELECTRICAL PART.
6 REMOVE AND REINSTALL MEDIUM ELECTRICAL PART.
7 REMOVE AND REINSTALL LARGE ELECTRICAL PART.
8 MATERIAL HANDLING.

GT 003 1 CHECK TUBES, REINSTALL NEW AS NECESSARY.
2 CHECK PLUG-IN CONDENSERS, REINSTALL NEW AS NECESSA RY.
3 CLEAN AMPLIFIER.
4 TEST PARTS.
5 REMOVE AND REINSTALL SMALL ELECTRICAL PART.
6 REMOVE AND REINSTALL MEDIUM ELECTRICAL PART.
7 REMOVE AND REINSTALL LARGE ELECTRICAL PART.
8 MATERIAL HANDLING.

GT 004 1 REMOVE AND REINSTALL RETAINING NUTS.
2 REMOVE AND INSTALL ANTENNA-BASE PARTS.
3 MATERIAL HANDLING.

GT 005 1 REMOVE AND REINSTALL ASSEMBLY NUT.
2 REMOVE AND REINSTALL BASE PARTS.
3 MATERIAL HANDLING.

GT 006 1 REMOVE AND REINSTALL COVER PLATE.
2 CLEAN CHASSIS.
3 TEST PARTS.
4 CLEAN SWITCHES.

GT 007 1 CHECK TUBES, REINSTALL NEW AS NEEDED.
2 REMOVE FROM CASE AND REINSTALL.
3 TEST PARTS.
4 REMOVE AND REINSTALL MEDIUM SIZE ELECTRICAL PART.
5 CLEAN SMALL PART.
6 REMOVE AND REINSTALL MECHANICAL PART.
7 OIL PART.
8 CHECK OPERATION AFTER REPAIR.

GT 008 1 INSTALL SHIP-TO-SHORE TELEPHONE ON QUARTERDECK.
2 MATERIAL HANDLING.

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GT  009  1 REMOVE SHIP-TO-SHORE TELEPHONE FROM QUARTERDECK.
         2 MATERIAL HANDLING.

GT  010  1 REMOVE TUBE FROM SOCKET, TEST, AND PUT BACK.
         2 REMOVE AND REINSTALL MEDIUM PART.

GT  011  1 REMOVE FROM CABINET AND REINSTALL.
         2 TEST PARTS.
         3 REMOVE AND REINSTALL MECHANICAL PARTS.
         4 CLEAN UNIT.
         5 OIL BEARINGS.
         6 CHECK OPERATION AFTER REPAIR.
         7 MATERIAL HANDLING.

GT  012  1 CHECK TUBES, REINSTALL NEW AS NEEDED.
         2 REMOVE FROM CASE AND REINSTALL.
         3 TEST PARTS.
         4 REMOVE AND REINSTALL SMALL PART.
         5 REMOVE AND REINSTALL MEDIUM SIZE PART.
         6 CLEAN CHASSIS.
         7 CLEAN SWITCHES.
         8 MATERIAL HANDLING.

GT  013  1 CHECK TUBES, REINSTALL NEW AS NECESSARY.
         2 REMOVE FROM CASE AND REINSTALL.
         3 TEST PARTS.
         4 REMOVE AND REINSTALL SMALL ELECTRICAL PART.
         5 REMOVE AND REINSTALL MEDIUM SIZE ELECTRICAL PART.
         6 REMOVE AND REINSTALL MECHANICAL PART.
         7 CLEAN MEDIUM PART.
         8 OIL BEARINGS.
         9 CHECK OPERATION AFTER REPAIR.
        10 MATERIAL HANDLING.

GT  014  1 CHECK TUBES OR PLUG-IN CONDENSERS, REINSTALL NEW A
           S NEEDED.
         2 TEST PARTS.
         3 CLEAN EQUIPMENT.
         4 REMOVE AND REINSTALL SMALL ELECTRICAL PART.
         5 REMOVE AND REINSTALL MEDIUM ELECTRICAL PART.
         6 REMOVE AND REINSTALL LARGE ELECTRICAL PART.

GT  015  1 CHECK TUBES OR PLUG-IN CONDENSERS, REINSTALL NEW A
           S NEEDED.
         2 TEST PARTS.
         3 CLEAN LARGE PARTS.
         4 REMOVE AND REINSTALL SMALL ELECTRICAL PART.
         5 REMOVE AND REINSTALL MEDIUM SIZE ELECTRICAL PART.
         6 REMOVE AND REINSTALL LARGE ELCTRICAL PART.
         7 MATERIAL HANDLING.
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GT 016 1 CHECK TUBES OR PLUG-IN CONDENSERS - REINSTALL NEW AS NEEDED.
2 TEST PARTS.
3 REMOVE AND INSTALL SMALL PART.

GT 017 1 REMOVE AND REINSTALL MEDIUM PART.
2 TEST PARTS.
3 MATERIAL HANDLING.

GT 018 1 INSTALL EIGHT SCREWS - INCLUDES DRILLING.
2 CONNECT WIRE TO TWO SPEAKERS AND TWO JUNCTION BOXES.
3 RUN 100 FT. OF CABLE TO EACH SPEAKER, NO LADDER.

GT 019 1 REMOVE AND INSTALL MEDIUM SIZE PART.
2 MEASURE, MARK, PUNCH AND POWER DRILL HOLE IN UP TO 3/16" THICK METAL, (ONE HOLE).
3 INSTALL SWITCH.
4 TEST PARTS.
5 MATERIAL HANDLING.

GT 020 1 REMOVE AND REPLACE BULB.
2 LOOSEN AND REMOVE STEM NUT IN LAMP BASE.
3 REMOVE REFLECTOR - LOOSEN THREE SET SCREWS IN REFLECTOR BASE.
4 CUT CORD AT BASE OF LAMP AND DISENGAGE REFLECTOR BASE FROM STEM.
5 REMOVE SOCKET ASSEMBLY FROM REFLECTOR BASE -LOOSEN ONE SET SCREW IN SOCKET CAP.
6 DISASSEMBLE SOCKET SHELL FROM CAP.
7 REMOVE SHELL FROM SOCKET.
8 DISCONNECT CORD LEAD WIRES FROM TWO TERMINAL CONNECTIONS IN SOCKET.
9 PULL OLD AND NEW CORD THROUGH FIVE FOOT STEM.
10 CUT, STRIP AND ATTACH CORD LEAD WIRES TO SOCKET TERMINALS.
11 ASSEMBLE SHELL TO SOCKET.
12 ASSEMBLE SHELL AND SOCKET TO CAP.
13 FASTEN REFLECTOR BASE TO SOCKET ASSEMBLY - TIGHTEN ONE SET SCREW.
14 ENGAGE REFLECTOR BASE TO STEM, PULL CORD TAUT AND TIE KNOT UNDER BASE.
15 INSTALL AND TIGHTEN STEM NUT IN BASE.
16 DISCONNECT OLD CORD LEAD WIRES FROM TWO TERMINAL CONNECTIONS IN PLUG.
17 CUT, STRIP, LOOP AND ATTACH CORD LEAD WIRES TO PLUG TERMINALS.
18 INSTALL REFLECTOR TO REFLECTOR BASE - TIGHTEN THREE SET SCREWS IN BASE.
19 PLUG IN AND CHECK OPERATION BY SWITCHING LAMP ON AND OFF.

GT 021 1 REMOVE CLOCK FROM WALL (FOUR SCREWS).
2 DISASSEMBLE, INSPECT, CLEAN, REASSEMBLE AND ADJUST STROMBERG, NO. 14 OR 15 TIME CLOCK.
3 MATERIAL HANDLING.

GT 022 1 TURN CIRCUIT SWITCH OFF AND ON.
2 REMOVE CONCEALED BOX COVER PLATE (TWO SCREWS), LAT ER REINSTALL.
3 DISCONNECT TWO, 2-WIRE SPLICES CONNECTED BY PLASTI C WIRE CONNECTORS.
4 LOOSEN CABLE BOX CONNECTOR SCREWS AT CONCEALED BOX END OF SUPPLY CORD (TWO SCREWS) AND REMOVE CORD L
5 REMOVE UNIT FROM WALL (FOUR SCREWS) AND LATER REIN STALL.
6 DISASSEMBLE, INSPECT, CLEAN,REASSSEMBLE AND ADJUST IBM AUTOMATIC, NO. 8500-5 OR SEMI-AUTOMATIC NO. 8
7 SPLICE TWO, 2-WIRE LEADS USING PLASTIC WIRE CONNEC TORS.
8 CHECK OPERATION.
9 MATERIAL HANDLING.

GT 023 1 SHUT OFF POWER AND LATER TURN ON.
2 REMOVE BOX COVER PLATE ON MOTOR AND LATER REINSTAL L (TWO SCREWS).
3 DISCONNECT 2-WIRE CABLE AND GROUND WIRE FROM TERMI NALS IN BOX.
4 LOOSEN CABLE BOX CONNECTOR SCREWS AT MOTOR END OF CABLE (TWO SCREWS)AND REMOVE CABLE LEADS FROM BOX
5 TAPE CABLE LEADS (TWO WIRES) AND LATER REMOVE TAPE AND INSERT CABLE IN BOX KNOCKOUT HOLE.
6 REMOVE MOUNTING NUTS,BOLTS OR SET SCREWS AND LATER REINSTALL - FOUR NUTS OR SCREWS.
7 OVERHAUL UNIVERSAL OR SPLIT PHASE MOTOR, LESS THAN 1/4 HP.
8 METAL SURFACE PREPARATION PRIOR TO PAINTING (ONE S Q. FT.).
9 PAINT METAL SURFACE (ONE SQ. FT.).
10 CONNECT CABLE LEADS (THREE WIRES INCL. GROUND) TO MOTOR BOX TERMINALS.
11 ADJUST MOTOR POSITION.
12 MATERIAL HANDLING.

GT 024 1 SHUT OFF POWER AND LATER TURN ON.
2 REMOVE BOX COVER PLATE ON MOTOR AND LATER REINSTAL L (TWO SCREWS).
3 DISCONNECT 2-WIRE CABLE AND GROUND WIRE FROM TERMI NALS IN BOX.
4 LOOSEN CABLE BOX CONNECTOR SCREWS AT MOTOR END OF CABLE LEADS FROM BOX, LATER REINSTALL.
5 TAPE CABLE LEADS (TWO WIRES) AND LATER REMOVE TAPE AND INSERT CABLE IN BOX KNOCKOUT HOLE.
6 REMOVE MOUNTING BOLTS,NUTS OR SET SCREWS AND LATER REINSTALL.
7 OVERHAUL UNIVERSAL OR SPLIT PHASE MOTOR, 1/4 TO 5 HP; 600 TO 3600 RPM; UNDER 50 LBS. IN WEIGHT.
8 METAL SURFACE PREPARATION PRIOR TO PAINTING (THREE SQ. FT.)
9 PAINT METAL SURFACE (THREE SQ. FT.).
10 CONNECT CABLE LEADS (THREE WIRES INCL. GROUND) TO MOTOR BOX TERMINALS.
11 ADJUST MOTOR POSITION.
12 MATERIAL HANDLING.

GT 025 1 SHUT OFF POWER AND LATER TURN ON.
2 REMOVE BOX COVER PLATE ON MOTOR AND LATER REINSTAL L (TWO SCREWS).
3 DISCONNECT 3 CONDUCTOR ENDS AND GROUND WIRE FROM T ERMINALS IN BOX.
4 LOOSEN CABLE BOX CONNECTOR SCREWS AT MOTOR END OF FLEXIBLE CABLE (TWO SCREWS) AND REMOVE CONDUCTOR E
5 TAPE CONDUCTOR ENDS (THREE WIRES) AND LATER REMOVE TAPE AND INSERT CONDUCTOR ENDS IN BOX KNOCKOUT HO
6 REMOVE MOUNTING BOLTS, NUTS OR SET SCREWS AND LATE R INSTALL.
7 OVERHAUL INDUCTION-REPULSION TYPE, 3/4 TO 10 HP, A LL SPEEDS, UNIT.
8 METAL SURFACE PREPARATION PRIOR TO PAINTING (SIX S Q. FT.).
9 PAINT METAL SURFACE (SIX SQ. FT.).
10 SEPARATE,FORM,ALIGN ENDS AND CONNECT 3 CONDUCTORS TO TERMINALS IN BOX.
11 ADJUST MOTOR POSITION.
12 MATERIAL HANDLING.

GT 026 1 UNPACK UNIT.
2 TURN CONTROL SWITCH ON AND OFF.
3 REMOVE COVER PLATES OLD AND NEW UNITS (ONE SCREW).
4 WALK TO EQUIPMENT POWER SOURCE CONTROLS AND RETURN - AVG. 20 PACES EACH WAY.
5 DISCONNECT LEADS FROM TERMINALS (THREE WIRES).
6 REMOVE OLD THERMOSTAT BASE AND INSTALL REPLACEMENT UNIT.
7 CUT AND FORM LEADS, INSERT IN BASE HOLE AND CONNEC T TO TERMINALS (THREE WIRES).
8 SET THERMOSTAT ADJUSTMENT.
9 INSTALL NEW COVER PLATE.
10 CHECK OPERATION.

GT 027 1 UNPACK CONTROL.
2 REMOVE COVER PLATE (ONE SCREW).
3 FASTEN BASE TO WOOD SURFACE (TWO SCREWS).
4 CUT AND FORM LEADS, INSERT IN BASE HOLE AND CONNEC T TO TERMINALS (THREE WIRES).
5 SET THERMOSTAT ADJUSTMENT.
6 INSTALL COVER PLATE (1 SCREW).
7 WALK TO EQUIPMENT POWER SOURCE CONTROLS AND RETURN - AVG. 20 PACES EACH WAY.
8 TURN CONTROL SWITCH ON AND OFF.
9 CHECK OPERATION.

GT 028 1 UNPACK CONTROL.
2 INSTALL AND REMOVE COVER PLATE (ONE SCREW).
3 FASTEN BASE TO CONCRETE SURFACE (TWO SCREWS).
4 CUT AND FORM LEADS, INSERT IN BASE HOLE AND CONNEC T TO TERMINALS.
5 SET THERMOSTAT ADJUSTMENT.
6 WALK TO EQUIPMENT POWER SOURCE CONTROLS AND RETURN - AVG. 20 PACES EACH WAY.
7 TURN CONTROL SWITCH ON AND OFF.
8 CHECK OPERATION.

GT 029 1 SWITCH POWER OFF AND LATER ON.
2 MOVE UNIT FOR ACCESSIBILITY AND REPOSITION AFTER C ABLE REPLACEMENT.
3 REMOVE BOX COVER PLATES ON EQUIPMENT AND SUPPLY EN DS OF CABLE (TWO SCREWS EACH B0X).
4 DISCONNECT 3-WIRE CABLE AND GROUND WIRE FROM EQUIP MENT UNIT AND SUPPLY BOX ENDS.
5 LOOSEN CABLE SCREWS AT BOTH ENDS OF CABLE AND REMO VE BOTH ENDS OF CABLE.
6 INSERT CABLE ENDS IN BOX CONNECTORS AND TIGHTEN CO NNECTOR SCREWS.
7 CUT, FORM AND CONNECT 3-WIRE CABLE AND GROUND WIRE AT BOTH ENDS OF REPLACEMENT CABLE.
8 INSTALL BOX COVER PLATES TO UNIT AND SUPPLY ENDS.
9 CHECK OPERATION.

GT 030 1 SWITCH POWER OFF AND LATER ON.
2 MOVE UNIT FOR ACCESSIBILITY AND POSITION REPLACEME NT UNIT.
3 REMOVE BOX COVER PLATE IN EXISTING UNIT (TWO SCREW S).
4 DISCONNECT 3-WIRE CABLE AND GROUND WIRE FROM UNIT TERMINALS.
5 REMOVE CABLE CONNECTOR FROM BOX IN EXISTING UNIT A ND PULL OUT CABLE.
6 REMOVE BOX COVER PLATE IN NEW UNIT (TWO SCREWS).
7 REMOVE KNOCKOUT PLUG IN BOX OF NEW UNIT.
8 POSITION, 3-WIRE CABLE WITH GROUND WIRE IN BOX KNO CKOUT HOLE AND ATTACH CABLE CONNECTOR.
9 CUT, FORM AND CONNECT, 3-WIRE CABLE LEADS AND GROU ND WIRE TO BOX TERMINALS.
10 INSTALL BOX COVER PLATE TO OLD AND NEW UNITS.
11 LEVEL OR ADJUST POSITION OF UNIT.

GT 031 1 SWITCH POWER OFF AND LATER ON.
2 MOVE UNIT FOR ACCESSIBILITY AND RETURN TO ORIGINAL LOCATION.
3 INSTALL AND REMOVE BOX COVER PLATE IN UNIT (TWO SC REWS).
4 REMOVE KNOCKOUT PLUG IN BOX OR COVER PLATE OF UNIT
5 INSTALL CABLE CONNECTOR TO NON-METALLIC SHEATHED C ABLE AND INSTALL CABLE WITH CONNECTOR TO BOX.
6 CUT, FORM AND CONNECT LEADS AND GROUND WIRE TO BOX TERMINALS.
7 LEVEL OR ADJUST POSITION OF UNIT.
8 CHECK OPERATION.

GT 032 1 SWITCH POWER OFF AND LATER ON.
2 MOVE UNIT FOR ACCESSIBILITY AND RETURN TO ORIGINAL LOCATION.
3 INSTALL AND REMOVE BOX COVER PLATE IN UNIT AND SER VICE OUTLET BOX (TWO SCREWS EACH).
4 REMOVE KNOCKOUT PLUG IN BOX OR COVER PLATE OF UNIT AND SERVICE OUTLET BOX.
5 INSTALL CABLE CONNECTOR TO BOTH ENDS, OF LENGTH OF NON-METALLIC SHEATHED CABLE AND INSTALL CABLE WIT
6 CUT, FORM AND CONNECT 3-WIRE CABLE AND GROUND WIRE TO TERMINALS IN EACH BOX.
7 LEVEL OR ADJUST POSITION OF UNIT.
8 CHECK OPERATION.

GT 033 1 SWITCH POWER OFF AND LATER ON.
2 MOVE UNIT FOR ACCESSIBILITY AND RETURN TO ORIGINAL LOCATION.
3 INSTALL AND REMOVE BOX COVER PLATE IN UNIT AND SERVICE OUTLET BOX (TWO SCREWS EACH).
4 REMOVE KNOCKOUT PLUG IN BOX OR COVER PLATE OF UNIT AND SERVICE OUTLET BOX.
5 INSTALL CABLE CONNECTOR TO BOTH ENDS OF LENGTH OF FLEXIBLE CONDUIT AND INSTALL CONDUIT ENDS TO BOXES
6 PULL THREE, NO. 12 WIRES THROUGH CONDUIT.
7 CUT, FORM AND CONNECT BOTH ENDS OF THESE WIRES TO TERMINALS IN EACH BOX.
8 LEVEL OR ADJUST POSITION OF UNIT.
9 CHECK OPERATION.

GT 034 1 SWITCH POWER OFF AND LATER ON.
2 REMOVE AND REINSTALL COVER PLATE ON UNIT AND SUPPLY BOX (TWO SCREWS EACH). 4 SCREWS = 2 SCREWS X 2 B
3 DISCONNECT CONDUCTORS FROM TERMINALS IN UNIT HEATER BOX.
4 CUT SPLICED LEADS IN SUPPLY BOX, TAPE ENDS AND PUSH BACK IN BOX. 2 WIRES.
5 REMOVE CONDUIT CONNECTOR FROM UNIT HEATER AND SUPPLY BOXES, PULL OUT CONDUIT AND CONDUCTORS AND INSE
6 REMOVE RELAY BOX COVER PLATE ON UNIT (ONE SCREW).
7 DISCONNECT 3-WIRE CABLE FROM THERMOSTAT CONTROL.
8 INSTALL RELAY BOX COVER PLATE ON UNIT (ONE SCREW).

GT 035 1 SWITCH POWER OFF AND LATER ON.
2 INSTALL AND REMOVE COVER PLATE ON UNIT AND SUPPLY BOXES (TWO SCREWS EACH).
3 REMOVE KNOCKOUT PLUG IN BOX OR COVER PLATE OF UNIT AND SUPPLY BOXES.
4 INSTALL CABLE CONNECTOR TO BOTH ENDS OF LENGTH OF FLEXIBLE CONDUIT AND INSTALL CONDUIT ENDS TO BOXES
5 PULL TWO, NO. 12 WIRES THROUGH CONDUIT.
6 CUT, FORM, SPLICE AND INSULATE ONE END OF EACH WIRE IN SUPPLY BOX.
7 CUT, FORM AND CONNECT ONE END OF EACH WIRE TO TERMINALS IN UNIT BOX.
8 CHECK OPERATION.

GT 036 1 SWITCH POWER OFF AND LATER ON.
2 INSTALL AND REMOVE BOX COVER PLATES ON EQUIPMENT AND SUPPLY BOXES (TWO SCREWS EACH). 4 SCREWS FOR 2
3 INSTALL CABLE CONNECTOR TO BOTH ENDS OF LENGTH OF FLEXIBLE CONDUIT AND INSTALL CONDUIT TO BOXES.
4 REMOVE KNOCKOUT PLUG IN BOX OR COVER PLATE OF EQUIPMENT AND SUPPLY BOXES. 2 KNOCKOUTS PER BOX.
5 PULL THREE, NO. 12 WIRES THROUGH CONDUIT. 3 WIRES. 6 FEET OF WIRES PULLED.
6 CUT, FORM AND CONNECT BOTH ENDS OF THREE WIRES TO TERMINALS IN EACH BOX. 6 WIRES.

GT 037 1 SWITCH POWER OFF AND LATER ON.
2 INSTALL AND REMOVE BOX COVER PLATES ON EQUIPMENT A ND SUPPLY BOXES (TWO SCREWS EACH). 4 SCREWS (2X2=4
3 INSTALL CABLE CONNECTOR TO BOTH ENDS OF LENGTH OF FLEXIBLE CONDUIT AND INSTALL CONDUIT TO BOXES.
4 REMOVE KNOCKOUT PLUG IN BOX OR COVER PLATE OF EQUI PMENT AND SUPPLY BOXES. 2 KNOCKOUTS PER BOX.
5 PULL THREE, NO. 2/0 WIRES THROUGH CONDUIT. 3 WIRES . 6 FEET OF WIRES PULLED.
6 INSTALL SOLDERLESS SCREW TYPE LUG TO WIRE AND TERM INAL.
7 SEPARATE, FORM AND ALIGN BOTH ENDS OF THREE WIRES TO TERMINALS IN EACH BOX. 4 WIRES IN CIRCUIT.4 WIR

GT 038 1 ASSEMBLE AND INSTALL ONE DROP CORD

GT 039 1 FASTEN BASE OF PHONE BOX TO FLOOR DUCT.
2 INSTALL COVER ON PHONE BOX - 4 SCREWS HAND TIGHTEN ED.
3 ADDITIONAL MATERIAL HANDLING.

GT 040 1 REMOVE COVER FROM PHONE BOX - CONTAINS 4 SCREWS.
2 REMOVE NIPPLE FROM PHONE BOX AND FLOOR DUCT.
3 REMOVE BASE AND TWO SIDES OFF PHONE BOX.
4 INSTALL COVER TO PHONE BOX WITH SCREWS BY HAND FOR SAFE KEEPING UNTIL TELEPHONE COMPANY RELOCATES.
5 ADDITIONAL MATERIAL HANDLING.

GT 041 1 REMOVE PHONE BOX FROM FLOOR DUCT, NO OBSTRUCTION O NE MAN CREW.
2 INSTALL PHONE BOX TO FLOOR DUCT, EXCLUDES LOCATING AND REMOVING KNOCKOUT PLUG FROM FLOOR DUCT - ONE
3 ADDITIONAL MATERIAL HANDLING.

GT 050 1 SPLICE CABLE, POLYETHYLENE JACKET (OR EQUAL) SINGL E CONDUCTOR, SIZE 4/0 THROUGH 450 MCM

GT 051 1 SPLICE CABLE, POLYETHYLENE JACKET (OR EQUAL) SINGL E CONDUCTOR, SIZE NO. 8 THROUGH NO. 3/0.

GT 052 1 SPLICE CABLE, POLYETHYLENE JACKET (OR EQUAL) SINGL E CONDUCTOR SIZE 1250 MCM THROUGH 2500 MCM.

GT 053 1 SPLICE CABLE, POLYETHYLENE JACKET (OR EQUAL) THREE CONDUCTOR, SIZE NO. 8 THROUGH NO. 3/0.

GT 054 1 SPLICE CABLE, POLYETHYLENE JACKET (OR EQUAL) THREE CONDUCTOR, SIZE NO. 4/0 THROUGH 450 MCM.

GT 055 1 SPLICE CABLE, POLYETHYLENE JACKET (OR EQUAL) THREE CONDUCTOR SIZE 500 MCM THROUGH 1000 MCM.

GT 056 1 SPLICE CABLE (IN LINE), LEAD SHEATHED, SINGLE COND UCTOR; SIZE NO. 4/0 THROUGH 450 MCM.

GT 057 1 SPLICE CABLE (IN LINE), LEAD SHEATHED, SINGLE COND UCTOR; SIZE NO. 4/0 THROUGH 450 MCM.
2 MINUS TIME TO LET TWO OF THE THREE INSULATING COMP OUND-FILLED SLEEVES COOL OFF PER .1 HR. (10 OF .1

GT 058 1 SPLICE CABLE (IN LINE), LEAD SHEATHED, THREE CONDU CTOR; SIZE NO. 4/0 THROUGH 450 MCM.

GT 066 1 INSTALL BOXES TO WOOD SURFACE USING TWO NAILS EACH .
2 INSTALL FOOTAGE OF CABLE ON WOOD SURFACE (CARE- FU LLY).
3 REMOVE EXISTING BOX COVER PLATE. 2 SCREWS PER PLAT E.
4 REMOVE KNOCKOUT PLUGS IN BOXES. 2 PLUGS PER BOX.
5 FASTEN CABLE (BOTH ENDS) TO BOXES.
6 MOVE EXISTING WIRE SPLICE ASIDE IN EXISTING BOX.

GT 068 1 INSTALL NEW BOXES TO WOOD SURFACE USING TWO NAILS EACH.
2 INSTALL FOOTAGE OF CABLE ON WOOD FRAMING MEMBERS A ND THROUGH DRILL HOLES (INCL. DRILLLING HOLES IN W
3 REMOVE EXISTING BOX COVER PLATE. 2 SCREWS PER JOB.
4 REMOVE KNOCKOUT PLUGS IN NEW BOXES. 2 KNOCKOUT PLU GS PER BOX.
5 FASTEN CABLE (BOTH ENDS) TO NEW BOXES.
6 MOVE EXISTING WIRE SPLICES ASIDE IN EXISTING BOX.

GT 070 1 MAKE BOX CUT-OUT HOLES IN BASEBOARD. 1 PER BOX.
2 REMOVE EXISTING BOX COVER PLATE. 2 SCREWS PER JOB.
3 REMOVE KNOCKOUT PLUGS IN NEW BOXES. 2 KNOCKOUT PLU GS PER BOX.
4 INSTALL FOOTAGE OF CABLE IN UNOBSTRUCTED PARTITION INTERIOR FROM ACCESS HOLE (OR BOX HOLE) TO BOX HO
5 FASTEN CABLE (BOTH ENDS) TO NEW BOXES.
6 MOVE EXISTING WIRE SPLICES ASIDE IN EXISTING BOX.
7 INSTALL BOXES IN CUT-OUT HOLES PROVIDED ON WOOD SU RFACE USING TWO SCREWS EACH.

GT 072 1 MAKE NEW BOX CUT-OUT HOLES IN BASEBOARD. 1 HOLE PE R BOX.
2 INSTALL NEW BOXES IN CUT-OUT HOLES PROVIDED ON WOO D SURFACE USING TWO SCREWS EACH.
3 REMOVE EXISTING BOX COVER PLATE. 2 SCREWS PER JOB.
4 REMOVE KNOCKOUT PLUGS IN NEW BOXES. 2 KNOCKOUT PLU GS PER BOX.
5 INSTALL FOOTAGE OF CABLE IN OBSTRUCTED PARTITION I NTERIOR FROM ACCESS HOLE (OR BOX HOLE) TO BOX HOLE
6 FASTEN CABLE (BOTH ENDS) TO NEW BOXES. 1 PER BOX.
7 MOVE EXISTING WIRE SPLICES ASIDE IN EXISTING BOX.

GT 074 1 SHUT OFF POWER, LATER TURN ON.
2 REMOVE COVER PLATE FROM EXISTING BOXES TO BE RE- M OVED. 2 SCREWS PER PLATE.
3 REMOVE SWITCH OR TERMINAL RECEPTACLE FROM EXISTING BOXES.
4 PULL WIRE SPLICES OUT OF SUPPLY BOX.
5 REMOVE TAPE FROM SPLICES IN SUPPLY BOX.
6 CUT CONDUCTOR LEADS IN SUPPLY BOX AND RETAPE RE- M AINING LEADS. 3 WIRES PER JOB.
7 CUT CABLE ADJACENT TO EXISTING BOXES. 3 WIRES PER CABLE.
8 REMOVE CABLE END FROM CONNECTOR AND CONNECTOR FROM SUPPLY BOX AND PLUG KNOCKOUT HOLE.
9 REMOVE CABLES AND STAPLES FROM WALL.
10 REMOVE EXISTING TERMINAL BOXES.
11 PUSH RETAPED LEADS BACK IN SUPPLY BOX.
12 INSTALL COVER PLATE TO SUPPLY BOX. 2 SCREWS PER JO B.

GT 081 1 REMOVE EXISTING BOX COVER PLATE 2 SCREWS PER PLATE
2 MOVE EXISTING SPLICED WIRES ASIDE.
3 REMOVE KNOCKOUT IN EXISTING BOX. 1 KNOCKOUT PER JO B.
4 MEASURE, MARK, CUT AND REAM LENGTH OF EMT
5 MEASURE, MARK AND BEND EMT UP TO 90 DEGREES IN EAC H OF 3 PLACES
6 INSTALL COUPLINGS TO EMT FOR BOX. 1-COUPLING FOR E ACH TEN FOOT SECTION.
7 INSTALL EMT TO WOOD SURFACE USING TWO HOLE STRAPS (TWO NAILS PER STRAP).
8 INSTALL COVER PLATE TO BOX - TWO SCREWS

GT 082 1 REMOVE KNOCKOUTS IN NEW BOX 2 KNOCKOUTS PER BOX.
2 INSTALL TWO CONNECTORS TO NEW BOX AND TO EMT
3 INSTALL NEW BOX TO WOOD SURFACE USING 2 SCREWS PER BOX
4 INSTALL COVER PLATE TO NEW BOX 2 SCREWS PER COVER

GT 083 1 REMOVE EXISTING BOX COVER PLATE 2 SCREWS PER PLATE
2 MOVE EXISTING SPLICED WIRES ASIDE.
3 REMOVE KNOCKOUT IN EXISTING BOX. 1 KNOCKOUT USED P ER JOB.
4 MEASURE, MARK AND BEND EMT UP TO 90 DEGREES IN EAC H OF 3 PLACES FOR EACH SECTION
5 MEASURE, MARK CUT AND REAM LENGTH OF EMT
6 INSTALL COUPLINGS FROM EMT TO BOX 1-COUPLING FOR E ACH SECTION OF CONDUIT.
7 INSTALL EMT TO CONCRETE SURFACE USING HOLE CLAMP, SCREWS AND EXPANSION SHIELDS. 2-CLAMPS PER SECTION
8 INSTALL COVER PLATE TO EXISTING BOX 2 SCREWS PER B OX

GT 084 1 REMOVE KNOCKOUTS IN NEW BOX 2 KNOCKOUT PLUGS PER B
OX
2 INSTALL TWO CONNECTORS TO EMT FOR NEW BOX
3 INSTALL NEW BOX TO CONCRETE SURFACE USING TWO SCRE
WS AND SHIELD
4 INSTALL COVER PLATE TO NEW BOX 2 SCREWS PER PLATE

GT 085 1 REMOVE EXISTING BOX COVER PLATE. 2 SCREWS PER JOB.
2 MOVE EXISTING SPLICED WIRES ASIDE.
3 REMOVE KNOCKOUT IN EXISTING BOX. 1 KNOCKOUT PLUG P
ER JOB.
4 MEASURE, MARK AND BEND EMT UP TO 90 DEGREES IN EAC
H OF 3 PLACES
5 MEASURE, MARK, CUT AND REAM LENGTH OF EMT
6 INSTALL COUPLINGS TO EMT FOR BOX 1-COUPLING PER SE
CTION.
7 INSTALL EMT TO WOOD SURFACE USING TWO HOLE STRAPS
(TWO NAILS PER STRAP). 2-STRAPS PER BOX.
8 INSTALL COVER PLATE TO BOX. 2 SCREWS PER JOB.

GT 086 1 INSTALL EMT TO WOOD
2 INSTALL EMT TO CONCRETE
3 WORK IN RESTRICTED AREA

GT 087 1 REMOVE EXISTING BOX COVER PLATE. 2 SCREWS PER JOB.
2 MOVE EXISTING SPLICED WIRES ASIDE.
3 REMOVE KNOCKOUT PLUG IN EXISTING BOX. 1 KNOCKOUT P
LUG PER JOB.
4 MEASURE, MARK AND BEND EMT UP TO 90 DEGREES IN EAC
H OF 3 PLACES
5 MEASURE, MARK, CUT AND REAM LENGTH OF EMT
6 INSTALL COUPLINGS TO EMT FOR BOX. 1-COUPLING PER S
ECTION.
7 INSTALL EMT TO CONCRETE SURFACE USING HOLE CLAMPS,
SCREWS AND EXPANSION SHIELDS. 2-CLAMPS PER SECTIO
8 INSTALL COVER PLATE TO BOX. 2 SCREWS PER JOB.

GT 088 1 INSTALL BOX TO WOOD
2 INSTALL BOX TO CONCRETE
3 WORK IN RESTRICTED AREA

GT 091 1 REMOVE AND REINSTALL SUPPLY BOX COVER PLATE WITH T
WO SCREWS. 2 SCREWS PER PLATE. 2 TIMES (REMOVE, RE
2 CUT WIRES AND TAPE ENDS. *BASED ON AVERAGE OF 4 WI
RES CUT AND TAPED PER *10 FT SECTION
3 CUT AND PULL AN AVERAGE OF FOUR #8 OR SMALLER WIRE
S OUT OF A 10 FT SECTION OF EMT - BOX TO BOX. COIL
4 REMOVE TWO-HOLE STRAPS (OR CLAMPS) FROM WOOD, CONC
RETE, OR STEEL SURFACE. *2-STRAPS PER 10 FT SECTIO
5 REMOVE EMT FROM BOX ENDS. *2 ENDS PER BOX.
6 REMOVE COUPLINGS OR CONNECTORS FROM EMT FOR EACH B
OX. *1-COUPLING PER SECTION.
7 REMOVE JUNCTION, OUTLET OR SWITCH BOX *BASED ON 1
BOX PER 10 FT SECTION.

GT 093 1 REMOVE AND REINSTALL SUPPLY BOX COVER PLATE WITH T
WO SCREWS. 2 SCREWS PER PLATE. 2 TIMES PER JOB
2 CUT WIRES AND TAPE ENDS. 4-WIRES PER JOB.
3 CUT AND PULL AN AVERAGE OF FOUR #6 TO #2 WIRES OUT
OF A 10 FT SECTION OF CONDUIT - BOX TO BOX. COIL
4 REMOVE TWO-HOLE STRAPS (OR CLAMPS) FROM WOOD, CON-
CRETE, OR STEEL SURFACE FOR EACH SECTION 2-STRAPS
5 REMOVE EMT FROM BOX END 2 ENDS PER BOX.
6 REMOVE COUPLINGS OR CONNECTORS FROM EMT FOR EACH B
OX. 1-COUPLING PER SECTION.
7 REMOVE JUNCTION, OUTLET OR SWITCH BOX

GT 094 1 LOCATE POSITION OF KNOCKOUT PLUG IN FLOOR DUCT USI
NG ELECTRONIC RECEPTACLE LOCATOR.
2 CHIP OUT 4" DIAMETER HOLE THRU 1/2" CONCRETE FLOOR
3 REMOVE KNOCKOUT PLUG FROM FLOOR DUCT USING HAMMER
OR SIMILAR TOOL.
4 ADDITIONAL MATERIAL HANDLING.

GT 100 1 REMOVE AND REINSTALL BOX COVER PLATE. 2 SCREWS PER
JOB.
2 REMOVE KNOCKOUT PLUGS. 2 KNOCKOUT PLUGS PER JOB.
3 INSTALL CONNECTORS TO BOX
4 MEASURE, MARK, CUT AND DEBURR CONDUIT
5 INSTALL CONDUIT TO CONNECTORS.
6 INSTALL ONE-HOLE CLAMP TO WOOD WITH SCREW

GT 101 1 INSTALL FLEXIBLE CONDUIT TO WOOD
2 INSTALL FLEXIBLE CONDUIT TO CONCRETE
3 WORK IN RESTRICTED AREA

GT 102 1 REMOVE AND REINSTALL BOX COVER PLATES. 2 SCREWS PE
R PLATE
2 REMOVE KNOCKOUT PLUGS. 2 KNOCKOUT PLUGS PER JOB.
3 INSTALL CONNECTORS TO BOX
4 MEASURE, MARK, CUT AND DEBURR SECTION
5 INSTALL CONDUIT TO CONNECTORS.
6 INSTALL ONE HOLE CLAMP TO CONCRETE SURFACE

GT 104 1 REMOVE KNOCKOUT IN EACH OF TWO BOXES. 2 KNOCKOUTS
PER JOB.
2 INSTALL CONNECTORS TO BOXES.
3 MEASURE, MARK, CUT AND DEBURR CONDUIT USING HAND T
OOLS.
4 INSTALL CONDUIT TO CONNECTORS.

GT 106 1 REMOVE AND REINSTALL BOX COVER PLATE. 3 SCREWS PER
PLATE.
2 CUT WIRES AND TAPE ENDS AT BOX. *BASED ON AVERAGE
OF 4 WIRES CUT AND TAPED PER *10 FT SECTION
3 REMOVE BOX FROM MOUNTING SURFACE - AVERAGE FOUR SC
REWS
4 CUT AND PULL AN AVERAGE OF FOUR #8 OR SMALLER WIRE
S OUT OF A 10 FT SECTION OF FLEXIBLE CONDUIT - BOX
5 REMOVE CONDUIT FROM CONNECTOR AND CONNECTOR FROM B
OX
6 REMOVE CLIPS OR CLAMPS USED TO MOUNT CONDUIT
7 BEND & ARISE
8 WALK, TURN OR LEG MOTION OVER 12"

GT 111 1 REMOVE AND REINSTALL SUPPLY BOX PLATE. 4 SCREWS PE
R JOB.
2 REMOVE KNOCKOUT PLUG FROM BOX 1 PLUG PER BOX PER
JOB.
3 INSTALL CONNECTORS TO BOX
4 CUT AND DEBURR LENGTH OF WIREWAY
5 INSTALL ELBOW BASE PLATE TO WOOD
6 INSTALL SECTION OF WIREWAY TO WOOD FLOOR
7 INSTALL 2 BUSHINGS FOR EACH BOX.
8 INSTALL ELBOW COVER FOR EACH BOX.

GT 113 1 REMOVE AND REINSTALL SUPPLY BOX COVER PLATE. 4 SCR
EWS PER PLATE PER JOB.
2 REMOVE KNOCKOUT PLUGS IN EXISTING BOX 1 PLUG PER
BOX PER JOB.
3 INSTALL CONNECTOR TO BOX
4 CUT AND DEBURR LENGTH OF WIREWAY
5 INSTALL ELBOW BASE PLATE TO CONCRETE
6 INSTALL SECTION OF WIREWAY ON CONCRETE FLOOR
7 INSTALL TWO BUSHINGS FOR EACH BOX.
8 INSTALL ELBOW COVER FOR EACH BOX.

GT 120 1 REMOVE AND REINSTALL SUPPLY BOX COVER PLATE WITH S
CREWS. 4 SCREWS PER PLATE.
2 CUT WIRES AND TAPE ENDS. *BASED ON AVERAGE OF 4 WI
RES CUT AND TAPED PER *10 FT SECTION
3 CUT AND PULL AN AVERAGE OF FOUR #8 OR SMALLER WIRE
S OUT OF A 10 FT SECTION OF WIREWAY - BOX TO BOX.
4 REMOVE CONNECTORS.
5 REMOVE CLIPS OR CLAMPS USED TO MOUNT WIREWAY.
6 REMOVE BUSHINGS.
7 REMOVE ELBOW COVERS.
8 REMOVE ELBOW BASE PLATES.
9 REMOVE JUNCTION, SWITCH OR UTILITY BOX INCLUDING C
OVER PLATE.
10 BEND & ARISE
11 WALK, TURN OR LEG MOTION OVER 12"

GT 125 1 REMOVE EXISTING BOX COVER PLATE. 2 SCREWS PER JOB.
2 MOVE EXISTING WIRE SPLICES ASIDE IN BOX.
3 REMOVE KNOCKOUT PLUG IN EXISTING BOX. 1 KNOCKOUT P
LUG PER JOB.
4 MEASURE, CUT, THREAD AND REAM CONDUIT
5 MEASURE AND BEND CONDUIT UP TO 90 DEGREES IN EACH
OF THREE PLACES
6 INSTALL CONDUIT TO BOX KNOCKOUTS ALREADY IN PLACE.
7 INSTALL CONDUIT TO WOOD SURFACE USING ONE HOLE CLA
MP FOR EACH BOX.
8 INSTALL COUPLING ENDS TO CONDUIT ALREADY IN PLACE
9 INSTALL 10 FOOT LENGTH OF CONDUIT TO COUPLING
10 INSTALL OLD COVER PLATE. 2 SCREWS PER JOB.

GT 126 1 INSTALL RIGID CONDUIT TO WOOD
2 INSTALL RIGID CONDUIT TO CONCRETE
3 WORK IN RESTRICTED AREA

GT 127 1 REMOVE BOX COVER PLATE. 2 SCREWS PER JOB.
2 MOVE EXISTING WIRE SPLICES ASIDE IN BOX.
3 REMOVE KNOCKOUT PLUG IN BOX 1 KNOCKOUT PLUG PER JO B.
4 MEASURE, CUT, THREAD AND REAM CONDUIT
5 MEASURE AND BEND CONDUIT UP TO 90 DEGREES IN EACH OF THREE PLACES
6 INSTALL CONDUIT TO BOX
7 INSTALL CONDUIT TO CONCRETE SURFACE USING ONE HOLE CLAMPS.
8 INSTALL COUPLINGS TO CONDUIT
9 INSTALL OLD COVER PLATE. 2 SCREWS PER JOB.

GT 129 1 REMOVE EXISTING BOX COVER PLATE. 2 SCREWS PER JOB.
2 MOVE EXISTING WIRE SPLICES ASIDE IN BOX.
3 REMOVE KNOCKOUT PLUG IN EXISTING BOX. 1 KNOCKOUT P LUG PER JOB.
4 MEASURE, CUT, THREAD AND REAM CONDUIT
5 MEASURE AND BEND CONDUIT UP TO 90 DEGREES IN EACH OF THREE PLACES
6 INSTALL CONDUIT TO BOX ALREADY IN PLACE.
7 INSTALL COUPLINGS TO CONDUIT ALREADY IN PLACE
8 INSTALL TWO HOLE CONDUIT CLAMPS ON WOOD USING SCRE WS.
9 INSTALL OLD COVER PLATE. 2 SCREWS PER JOB.

GT 131 1 REMOVE EXISTING BOX COVER PLATE. 2 SCREWS PER JOB.
2 MOVE EXISTING WIRE SPLICES ASIDE IN BOX.
3 REMOVE KNOCKOUT PLUG IN EXISTING BOX 1 KNOCKOUT P LUG PER JOB.
4 MEASURE, CUT, THREAD AND REAM CONDUIT
5 MEASURE AND BEND CONDUIT UP TO 90 DEGREES IN EACH OF THREE PLACES
6 INSTALL COUPLINGS TO CONDUIT ALREADY IN PLACE
7 INSTALL LENGTH OF CONDUIT TO COUPLINGS OR CONDULET S ALREADY IN PLACE
8 INSTALL TWO HOLE CONDUIT CLAMPS ON CONCRETE USING EXPANSION SHIELDS.
9 INSTALL OLD COVER PLATE. 2 SCREWS PER JOB.

GT 133 1 REMOVE EXISTING BOX COVER PLATE. 2 SCREWS PER JOB.
2 MOVE EXISTING WIRE SPLICES ASIDE IN BOX.
3 REMOVE KNOCKOUT PLUG IN EXISTING BOX 1 KNOCKOUT P LUG PER JOB.
4 MEASURE, CUT, THREAD AND REAM CONDUIT
5 MEASURE AND BEND CONDUIT UP TO 90 DEGREES IN EACH OF THREE PLACES
6 INSTALL COUPLINGS TO CONDUIT ALREADY IN PLACE
7 INSTALL LENGTH OF CONDUIT TO COUPLINGS OR CONDULET S ALREADY IN PLACE
8 INSTALL TWO HOLE CONDUIT CLAMPS HUNG FROM WOOD
9 INSTALL OLD COVER PLATE. 2 SCREWS PER JOB.

GT 134 1 REMOVE EXISTING BOX COVER PLATE. 2 SCREWS PER JOB.
2 MOVE EXISTING WIRE SPLICES ASIDE IN BOX.
3 REMOVE KNOCKOUT PLUG IN EXISTING BOX 1 KNOCKOUT P LUG PER JOB.
4 MEASURE, CUT, THREAD AND REAM CONDUIT
5 MEASURE AND BEND CONDUIT UP TO 90 DEGREES IN EACH OF THREE PLACES
6 INSTALL COUPLINGS TO CONDUIT ALREADY IN PLACE
7 INSTALL LENGTH OF CONDUIT TO COUPLINGS OR CONDULET S ALREADY IN PLACE
8 INSTALL TWO HOLE CONDUIT CLAMPS HUNG FROM CONCRETE USING ROD SUPPORTED CONDUIT HANGERS WITH CEILING
9 INSTALL OLD COVER PLATE. 2 SCREWS PER JOB.

GT 135 1 REMOVE EXISTING BOX COVER PLATE. 2 SCREWS PER JOB.
2 MOVE EXISTING WIRE SPLICES ASIDE IN BOX.
3 REMOVE KNOCKOUT PLUGS IN EXISTING BOX 1 KNOCKOUT PLUG PER JOB.
4 MEASURE, CUT, THREAD AND REAM CONDUIT USING PIPE A ND BOLT MACHINE FOR EACH NEW BOX. 1 SINGLE END CUT
5 MEASURE AND BEND 1 PIECE OF CONDUIT UP TO 90 DEGRE ES
6 INSTALL COUPLINGS TO CONDUIT ALREADY IN PLACE
7 INSTALL LENGTH OF CONDUIT TO COUPLINGS OR CONDULET ALREADY IN PLACE
8 INSTALL TWO HOLE CLAMPS TO WOOD
9 INSTALL OLD COVER PLATE. 2 SCREWS PER JOB.

GT 136 1 BEND & ARISE
2 WALK, TURN OR LEG MOTION OVER 12"
3 REMOVE AND REINSTALL COVER PLATE ON TERMINAL BOX. 2 SCREWS PER PLATE. *BASED ON 1 BOX PER 10 FT SECT
4 CUT WIRES AND TAPE ENDS AT SUPPLY BOX. *BASED ON A VERAGE OF 4 WIRES CUT AND TAPED PER *10 FT SECTION
5 REMOVE JUNCTION, OUTLET, OR SWITCH BOX INCLUDING C OVER PLATE AND SCREWS. *BASED ON 1 BOX PER 10 FT S
6 CUT AND PULL AN AVERAGE OF FOUR #8 OR SMALLER WIRE S OUT OF A 10 FT SECTION OF CONDUIT - BOX TO BOX.
7 REMOVE ONE-HOLE CLAMPS OR CLIPS EVERY 10 FT SECTIO N.
8 REMOVE RIGID CONDUIT FROM BOX
9 REMOVE COUPLINGS FROM RIGID CONDUIT EVERY 10 FT SE CTION.

GT 138 1 BEND & ARISE
2 WALK, TURN OR LEG MOTION OVER 12"
3 REMOVE AND REINSTALL COVER PLATE ON TERMINAL BOX. 2 SCREWS PER PLATE. *BASED ON 1 BOX PER 10 FT SECT
4 CUT WIRES AND TAPE ENDS AT SUPPLY BOX. *BASED ON A VERAGE OF 4 WIRES CUT AND TAPED PER *10 FT SECTION
5 REMOVE JUNCTION, OUTLET OR SWITCH BOX INCLUDING CO VER PLATE AND SCREWS. *BASED ON 1 BOX PER 10 FT SE
6 CUT AND PULL AN AVERAGE OF FOUR #6 TO #2 WIRES OUT OF A 10 FT SECTION OF CONDUIT - BOX TO BOX. COIL
7 REMOVE ONE-HOLE CLAMPS OR CLIPS EVERY 10 FT SECTIO N
8 REMOVE RIGID CONDUIT FROM BOX
9 REMOVE COUPLINGS FROM RIGID CONDUIT EVERY 10 FT SE CTION.

GT 140 1 REMOVE AND REINSTALL COVER PLATE ON TERMINAL BOX. 2 SCREWS PER PLATE. *BASED ON 1 BOX PER 10 FT SECT
2 CUT WIRES AND TAPE ENDS AT SUPPLY BOX. *BASED ON A VERAGE OF 4 WIRES CUT AND TAPED PER 10 FT SECTION
3 REMOVE JUNCTION, OUTLET OR SWITCH BOX INCLUDING CO VER PLATE AND SCREWS. *BASED ON 1 BOX PER 10 FT SE
4 CUT AND PULL AN AVERAGE OF FOUR #8 OR SMALLER WIRE S OUT OF A 10 FT SECTION OF CONDUIT - BOX TO BOX.
5 REMOVE TWO-HOLE CLAMPS OR STRAPS EVERY 10 FT SECTI ON
6 REMOVE RIGID CONDUIT FROM BOX
7 REMOVE COUPLINGS FROM RIGID CONDUIT EVERY 10 FT SE CTION.
8 BEND & ARISE
9 WALLK, TURN OR LEG MOTION OVER 12"

GT 142 1 BEND AND ARISE
2 WALK, TURN OR LEG MOTION OVER 12"
3 REMOVE AND REINSTALL COVER PLATE ON TERMINAL BOX. 2 SCREWS PER PLATE/ 2 TIMES PER JOB *BASED ON 1 BO
4 CUT WIRES AND TAPE ENDS AT SUPPLY BOX. *BASED ON A VERAGE OF 4 WIRES CUT AND TAPED PER *10 FT SECTION
5 REMOVE JUNCTION, OUTLET OR SWITCH BOXES INCLUDING COVER PLATE AND SCREWS. *BASED ON 1 BOX PER 10 FT
6 CUT AND PULL AN AVERAGE OF FOUR #6 TO #2 WIRES OUT OF A 10 FT SECTION OF CONDUIT - BOX TO BOX. COIL
7 REMOVE TWO-HOLE CLAMPS OR STRAPS EVERY 10 FT SECTI ON.
8 REMOVE RIGID CONDUIT FROM BOX
9 REMOVE COUPLINGS FROM RIGID CONDUIT EVERY 10 FT SE CTION

GT 145 1 ASSEMBLE AND INSTALL TROLLEY DUCT. SECTION = NO. O F 10FT SECTIONS OF TROLLEY DUCT. CORD = NO. OF MOB
2 MATERIAL HANDLING.

GT 147 1 REMOVE EXISTING BOX COVER PLATE. 2 SCREWS PER JOB.
2 MOVE EXISTING WIRE SPLICES ASIDE IN BOX.
3 REMOVE KNOCKOUT PLUGS IN EXISTING BOX. 1 KNOCKOUT PLUG PER JOB.
4 MEASURE, CUT, THREAD AND REAM CONDUIT USING PIPE A ND BOLT MACHINE 1 SINGLE END CUT AND THREADED PER
5 MEASURE AND BEND 1 PIECE OF CONDUIT UP TO 90 DEGRE ES
6 INSTALL COUPLINGS TO CONDUIT ALREADY IN PLACE
7 INSTALL LENGTH OF CONDUIT TO COUPLING OR CONDULET ALREADY IN PLACE
8 INSTALL TWO HOLE CLAMPS TO CONCRETE. 2-CLAMPS PER SECTION.
9 INSTALL COVER PLATE TO EXISTING BOX. 2 SCREWS PER JOB.

GT 148 1 CUT AND REMOVE 4 WIRES FROM A 10 FT SECTION OF CON
DUIT. INCLUDES: CUTTING 4 WIRES SIZE NO. 8 OR SMAL
2 BEND & ARISE
3 WALK, TURN OR LEG MOTION OVER 12"

GT 149 1 GREASE FISHTAPE OR WIRE
2 POSITION FISHTAPE TO CONDUIT
3 FEED WIRE OR FISHTAPE INTO CONDUIT
4 CUT, STRIP AND ATTACH WIRE(S) TO FEED WIRE OR FISH
TAPE
5 PULL NUMBER 8 OR SMALLER WIRE(S) THROUGH CONDUIT
6 COIL FISHTAPE AFTER USE

GT 150 1 CUT AND REMOVE 4 WIRES FROM A 10 FT SECTION OF CON
DUIT. INCLUDES: CUTTING 4 WIRES SIZES NO. 6 TO 2 A
2 BEND & ARISE
3 WALK, TURN OR LEG MOTION OVER 12"

GT 151 1 GREASE WIRE OR FISHTAPE PER FOOT
2 POSITION FISHTAPE TO CONDUIT
3 FEED FISHTAPE OR WIRE INTO CONDUIT PER FOOT
4 STRIP, CUT AND FASTEN WIRE TO ROPE FOR PULL
5 PULL MANUALLY FROM REEL ONE FOOT OF NO. 6 TO NO. 2
WIRE, ATTACH TO PULL LINE AND REEVE THROUGH PULLE
6 PULL WIRE THROUGH CONDUIT PER FOOT
7 COIL FISHTAPE OR WIRE AFTER USE

GT 153 1 REMOVE EXISTING BOX COVER PLATE. 2 SCREWS PER JOB.
2 MOVE EXISTING WIRE SPLICES ASIDE IN BOX.
3 REMOVE KNOCKOUT PLUG IN EXISTING BOX. 1 KNOCKOUT P
LUG PER JOB.
4 MEASURE, CUT, THREAD AND REAM CONDUIT USING PIPE A
ND BOLT MACHINE 1 SINGLE END CUT AND THREADED PER
5 MEASURE AND BEND CONDUIT UP TO 90 DEGREES IN ONE P
LACE
6 INSTALL COUPLINGS TO CONDUIT ALREADY IN PLACE
7 INSTALL LENGTH OF CONDUIT TO COUPLING OR CONDULET
ALREADY IN PLACE
8 INSTALL ROD AND CONDUIT HANGERS W/CEILING FLANGES
HUNG FROM WOOD FOR EACH NEW BOX. 2-HANGERS PER SEC
9 INSTALL COVER PLATE TO EXISTING BOX. 2 SCREWS PER
JOB.

GT 154 1 REMOVE EXISTING BOX COVER PLATE. 2 SCREWS PER JOB.
2 MOVE EXISTING WIRE SPLICES ASIDE IN BOX.
3 REMOVE KNOCKOUT PLUG IN EXISTING BOX. 1 KNOCKOUT P
LUG PER JOB.
4 MEASURE, CUT, THREAD AND REAM CONDUIT USING PIPE A
ND BOLT MACHINE 1 SINGLE END CUT AND THREADED PER
5 MEASURE AND BEND CONDUIT UP TO 90 DEGREES ONCE
6 INSTALL COUPLINGS TO CONDUIT ALREADY IN PLACE
7 INSTALL LENGTH OF CONDUIT TO COUPLING OR CONDULET
ALREADY IN PLACE
8 INSTALL ROD AND CONDUIT HANGERS W/CEILING FLANGES
HUNG FROM CONCRETE 2-HANGERS PER SECTION.
9 INSTALL COVER PLATE TO EXISTING BOX. 2 SCREWS PER
JOB.

GT 155 1 TURN POWER SWITCH OFF AND ON.
2 UNPACK UNIT FROM CARTON.
3 CUT, FORM, ALIGN AND CONNECT WIRES TO SWITCH. 1 = NO. OF WIRES PER SWITCH.
4 POSITION CONNECTED UNIT.
5 FASTEN UNIT TO BOX. 2 SCREWS PER SWITCH.
6 TEST FOR OPERATION.
7 INSTALL COVER PLATE. 2 SCREWS PER SWITCH.
8 MATERIAL HANDLING.

GT 156 1 TURN POWER SWITCH OFF AND ON.
2 REMOVE AND REINSTALL COVER PLATES. 2 SCREWS PER UNIT.
3 REMOVE UNIT MOUNTING SCREWS. 2 SCREWS PER UNIT.
4 PULL CONNECTED UNIT OUT OF BOX.
5 DISCONNECT WIRES FROM TERMINAL.
6 TAPE WIRE ENDS.

GT 157 1 TURN POWER OFF AND ON AGAIN.
2 UNPACK UNIT FROM CARTON.
3 CUT, FORM, ALIGN AND CONNECT WIRES TO SWITCH. 2 WIRES PER SWITCH.
4 POSITION CONNECTED UNIT.
5 FASTEN UNIT TO BOX. 2 SCREWS PER UNIT.
6 TEST FOR OPERATION.
7 INSTALL COVER PLATE. 2 SCREWS PER COVER PLATE.
8 MATERIAL HANDLING.

GT 158 1 TURN POWER SWITCH OFF AGAIN.
2 REMOVE AND REINSTALL COVER PLATES. 2 SCREWS PER COVER PLATE.
3 REMOVE UNIT MOUNTING SCREWS. 2 SCREWS PER UNIT.
4 PULL CONNECTED UNIT OUT OF BOX.
5 DISCONNECT WIRES FROM TERMINAL.
6 TAPE WIRE ENDS.
7 MATERIAL HANDLING.

GT 159 1 TURN POWER OFF AND ON AGAIN.
2 UNPACK UNIT FROM CARTON.
3 CUT, FORM, ALIGN AND CONNECT WIRE. 2 WIRES PER UNIT.
4 POSITION RECEPTABLE GASKET.
5 INSTALL RECEPTACLE OVER GASKET TO JUNCTION BOX USING FOUR SCREWS.
6 MATERIAL HANDLING.

GT 166 1 INSTALL NIPPLES TO BOX HUBS.
2 INSTALL SEALING CONDULETS (FITTINGS) TO NIPPLES.
3 REMOVE AND REPLACE PLUG IN EACH OF FITTINGS.
4 MOVE WIRE LEADS ASIDE IN BOX.
5 PACK FIBROUS FILLER MATERIAL GROUND CONDUCTORS IN EACH HUB.
6 MIX BATCH OF SEALING COMPOUND.
7 POUR SEALING COMPOUND INTO EACH FITTING. 2 APPLICATIONS PER FITTING.

GT 168 1 INSTALL NIPPLES TO BOX HUB.
2 INSTALL SEALING CONDULETS (FITTINGS) TO NIPPLES.
3 REMOVE AND REPLACE PLUG IN EACH OF FITTINGS.
4 MOVE WIRE LEADS ASIDE IN BOX.
5 PACK FIBROUS FILLER MATERIAL AROUND CONDUCTORS IN EACH HUB.
6 MIX BATCH OF SEALING COMPOUND.
7 POUR SEALING COMPOUND INTO FITTING. 3 APPLICATIONS PER FITTING.

GT 175 1 CUT, SEPARATE, FORM, ALIGN, SKIN AND CONNECT PAIRS OF WIRE ENDS (USING WIRE NUTS) AT EACH BOX.

GT 177 1 CUT, SEPARATE, FORM AND ALIGN NO. 6 WIRES WITH 6 O F 90 DEGREES BENDS EACH (DIAGONALS USED) AT EACH B
2 INSTALL SOLDERLESS BOLT TYPE WIRE CONNECTORS, INCL UDING SKINNING WIRE ENDS AND INSULATING CONNECTORS

GT 179 1 CUT, SEPARATE, FORM AND ALIGN PAIRS OF NO. 4 TO 2/ 0 CIRCUIT WIRE ENDS, WITH 6 OF 90 DEGREES BENDS EA
2 INSTALL SOLDERLESS BOLT-TYPE WIRE CONNECTORS, INCL UDING SKINNING WIRE ENDS AND INSULATING CONNECTORS

GT 186 1 CUT, FORM AND ALIGN TWO WIRES. 2 WIRE ENDS PER BOX .
2 SPLICE, SOLDER AND INSULATE ONE PAIR OF WIRE ENDS 1 SPLICE MADE PER BOX.

GT 206 1 PULL EXISTING SETS OF SPLICED WIRES OUT OF BOX.
2 REMOVE WIRE NUTS AND UNRAVEL SPLICED WIRES.
3 CUT, SKIN AND POSITION ADDITIONAL WIRE LEADS AND R ESPLICE USING WIRE NUTS.
4 REFORM AND REALIGN CONNECTED WIRE LEADS IN BOX.

GT 208 1 PULL EXISTING SETS OF CONNECTED WIRES (STRAIGHT SP LICES) OUT OF BOX.
2 REMOVE INSULATION FROM CONNECTORS AND REMOVE SOLDE RLESS BOLT CONNECTORS.
3 CUT, SKIN AND POSITION ADDITIONAL WIRE LEADS, RECO NNECT USING SOLDERLESS BOLT CONNECTORS, AND INSULA
4 REFORM AND REALIGN CONNECTED WIRE LEADS IN BOX.

GT 210 1 PULL EXISTING SETS OF CONNECTED WIRES (STRAIGHT SP LICES) OUT OF BOX.
2 REMOVE INSULATION FROM CONNECTORS AND REMOVE SOLDE RLESS BOLT CONNECTORS.
3 CUT, SKIN AND POSITION ADDITIONAL WIRE LEADS, RECO NNECT USING SOLDERLESS BOLT CONNECTORS AND INSULAT
4 REFORM AND REALIGN CONNECTED WIRE LEADS IN BOX.

GT 220 1 INSTALL HARDWARE ("J" HOOK) ON POLE.
2 PREPARE FIRE ALARM SYSTEM CABLE FOR STRINGING.
3 INSTALL DEAD END ON CABLE AT FIRST POLE.
4 INSTALL DEAD END CABLE ON LAST POLE.
5 INSTALL CABLE ON POLES (CLIPPING IN).
6 ADDITIONAL MATERIAL HANDLING.

GT 240 1 REMOVE AND UNPACK PARTS FOR FLUORESCENT FIXTURES F ROM CARDBOARD CARTON.
2 INSTALL MOUNTING BRACKETS FOR FLUORESCENT FIX- TUR ES.
3 ASSEMBLE AND HANG OPEN REFLECTOR OR DIFFUSER/LOU- VER TYPE FLUORESCENT FIXTURES WITH TWO OR FOUR, (A

GT 241 1 REMOVE AND UNPACK PARTS FOR FLUORESCENT FIXTURES F ROM CARDBOARD CARTON.
2 INSTALL MOUNTING BRACKETS FOR FLUORESCENT FIXTURES
3 ASSEMBLE AND HANG OPEN REFLECTOR OR DIFFUSER/ LOUV ER TYPE FLUORESCENT FIXTURES WITH TWO OR FOUR TUBE
4 REMOVE TWO KNOCKOUT PLUGS FROM EACH OF FIXTURES AN D PLATES.
5 SPLICE LEAD-IN WIRES FOR MULTIPLE FIXTURE UNIT INS TALLATION IN BOX OR ADJACENT FIXTURE USING PLASTIC
6 ALIGN AND CONNECT FLUORESCENT FIXTURES FOR CONTINU OUS ROW INSTALLATIONS.
7 PULL TWO LEAD-IN WIRES AN AVERAGE OF SIX FEET THRO UGH ADJACENT FIXTURE FOR EACH OF FIXTURES.
8 ADJUST AND CUT TWO NO. 8 OR SMALLER LEAD-IN WIRES IN FIXTURE TROUGH PRIOR TO MAKING CONNECTION FOR F

GT 242 1 REMOVE AND UNPACK PARTS FOR FLUORESCENT FIXTURES F ROM CARDBOARD CARTON.
2 INSTALL MOUNTING BRACKET FOR FLUORESCENT FIXTURES.
3 REMOVE AND REINSTALL BEARING NUT ON EACH END OF PR EFABRICATED STEM PIECE FOR FIXTURES.
4 POSITION STEM PIECE TO BOX COVER PLATE OR HANGER (MOUNTING) BRACKET.
5 TIGHTEN BEARING NUT ON EACH END OF STEM PIECE.
6 INSTALL BOX COVER PLATE WITH TWO SCREWS EACH FOR F IXTURES.
7 ASSEMBLE AND HANG OPEN REFLECTOR OR DIFFUSER/ LOUV ER TYPE FLUORESCENT TYPE FIXTURES WITH TWO OR FOUR
8 REMOVE THREE KNOCKOUT PLUGS FROM EACH OF FIXTURES AND PLATES.
9 SPLICE LEAD-IN WIRES IN JUNCTION BOX USING PLASTIC WIRE CONNECTOR.
10 REMOVE AND REINSTALL INTEGRAL BOX COVER PLATE WITH TWO SCREWS FOR EACH OF FIXTURES.
11 PULL TWO LEAD-IN WIRES AN AVERAGE OF TWO FEET THRO UGH STEM PIECE FOR EACH FIXTURE.

GT 243 1 REMOVE AND UNPACK PARTS FOR FLUORESCENT FIXTURES F ROM CARBOARD CARTON.
2 INSTALL MOUNTING BRACKET FOR FLUORESCENT FIXTURES.
3 REMOVE AND REINSTALL BEARING NUT ON EACH END OF PR EFABRICATED STEM PIECE FOR FIXTURES.
4 POSITION STEM PIECE TO BOX COVER PLATE OR HANGER (MOUNTING) BRACKET.
5 TIGHTEN BEARING NUT ON EACH END OF STEM PIECE.
6 INSTALL BOX COVER PLATE WITH TWO SCREWS EACH SET O F INTERCONNECTED FIXTURES.
7 ASSEMBLE AND HANG OPEN REFLECTOR OR DIFFUSER/ LOUV ER TYPE FLUORESCENT FIXTURES WITH TWO OR FOUR TUBE
8 REMOVE THREE KNOCKOUT PLUGS FROM EACH OF FIXTURES AND PLATES.
9 SPLICE LEAD-IN WIRES FOR MULTIPLE FIXTURE UNIT INS TALLATION IN BOX OR ADJACENT FIXTURE USING PLASTIC
10 ALIGN AND CONNECT FLUORESCENT FIXTURES FOR CONTINU OUS ROW INSTALLATION.
11 REMOVE AND REINSTALL INTEGRAL BOX COVER PLATE WITH TWO SCREWS FOR EACH SET OF FIXTURES.
12 PULL TWO LEAD-IN WIRES AN AVERAGE OF TWO FEET THRO UGH STEM PIECE FOR EACH SET OF FIXTURES.
13 PULL TWO LEAD-IN WIRES AN AVERAGE OF SIX FEET THRO UGH ADJACENT FIXTURES FOR EACH SET OF FIXTURES
14 ADJUST AND CUT TWO NO. 8 OR SMALLER LEAD-IN WIRES IN FIXTURE TROUGH PRIOR TO MAKING CONNECTION FOR F

GT 244 1 REMOVE AND UNPACK PARTS FOR FLUORESCENT FIXTURES F ROM CARDBOARD CARTON.
2 INSTALL MOUNTING BRACKETS FOR FLUORESCENT FIXTURES
3 INSTALL BOX COVER PLATE WITH TWO SCREWS FOR EACH F IXTURE
4 ASSEMBLE AND HANG OPEN REFLECTOR OR DIFFUSER/ LOUV ER TYPE FLOURESCENT FIXTURE WITH TWO OR FOUR TUBES
5 REMOVE THREE KNOCKOUT PLUGS FROM EACH FIXTURE AND PLATE.
6 SPLICE LEAD-IN WIRES FOR FIXTURE FROM JUNCTION BOX OR ADJACENT FIXTURE USING PLASTIC WIRE CONNECTORS
7 REMOVE AND REINSTALL INTEGRAL BOX COVER PLATE WITH TWO SCREWS FOR EACH FIXTURE.
8 INSTALL CABLE CONNECTOR TO INTEGRAL AND JUNCTION B OXES FOR EACH FIXTURE.

GT 245 1 REMOVE AND UNPACK PARTS FOR FLUORESCENT FIXTURES F ROM CARDBOARD CARTON.
2 INSTALL MOUNTING BRACKETS FOR FLUORESCENT FIXTURES
3 INSTALL BOX COVER PLATE WITH TWO SCREWS FOR EACH S ET OF FIXTURES.
4 ASSEMBLE AND HANG OPEN REFLECTOR OR DIFFUSER/ LOUV ER TYPE FLUORESCENT FIXTURES WITH TWO OR FOUR TUBE
5 REMOVE TWO KNOCKOUT PLUGS FROM EACH FIXTURES AND P LATES.
6 SPLICE LEAD-IN WIRE FOR STEM OR MULTIPLE FIXTURE U NIT INSTALLING IN BOX OR ADJACENT FIXTURE USING PL
7 REMOVE AND REINSTALL INTEGRAL BOX COVER PLATE WITH TWO SCREWS FOR FIXTURES.
8 INSTALL CABLE CONNECTOR TO INTEGRAL AND JUNCTION B OXES FOR EACH SET OF FIXTURES.
9 ALIGN AND CONNECT FLUORESCENT FIXTURES FOR CONTINU OUS ROW INSTALLATIONS.
10 PULL THREE LEAD-IN WIRES AN AVERAGE OF SIX FEET TH ROUGH AN ADJACENT FIXTURE FOR EACH FIXTURE.
11 ADJUST AND CUT THREE #8 OR SMALLER LEAD-IN WIRES I N FIXTURE TROUGH PRIOR TO MAKING CONNECTION FOR FI

GT 246 1 REMOVE AND UNPACK PARTS FOR FLUORESCENT FIXTURES F ROM CARDBOARD CARTON.
2 INSTALL MOUNTING BRACKETS FOR FLUORESCENT FIXTURES .
3 REMOVE AND REINSTALL BEARING NUT ON EACH END OF PR EFABRICATED STEM PIECE FOR FIXTURE.
4 POSITION STEM PIECE TO BOX COVER PLATE OR HANGER (MOUNTING) BRACKET.
5 TIGHTEN BEARING NUT ON EACH END OF STEM PIECE.
6 INSTALL BOX COVER PLATE WITH TWO SCREWS EACH FOR F IXTURE.
7 ASSEMBLE AND HANG OPEN REFLECTOR OR DIFFUSER/LOU- VER TYPE FLUORESCENT TYPE FIXTURES WITH TWO OR FOU
8 REMOVE THREE KNOCKOUT PLUGS FROM EACH OF FIXTURES AND PLATES.
9 SPLICE LEAD-IN WIRES IN JUNCTION BOX USING PLASTIC WIRE CONNECTOR FOR FIXTURES.
10 REMOVE AND REINSTALL INTEGRAL BOX COVER PLATE WITH TWO SCREWS FOR EACH OF FIXTURE.
11 PULL THREE LEAD-IN WIRES AN AVERAGE OF TWO FEET TH ROUGH STEM PIECE FOR EACH OF FIXTURES.

GT 247 1 ASSEMBLE AND INSTALL INTERCONNECTED, STEM MOUNTED, TWO OR FOUR TUBE, OPEN REFLECTOR OR DIFFUSER/ LOU
2 INSTALL MOUNTING BRACKET FOR FIXTURE.

GT 248 1 REMOVE AND UNPACK PARTS FOR INCANDESCENT FIXTURES FROM CARDBOARD CARTON.
2 INSTALL MOUNTING BRACKETS FOR INCANDESCENT FIX- TU RES.
3 ASSEMBLE AND HANG INCANDESCENT FIXTURES WITH VARIA BLE NO. OF BULBS.

GT 249 1 REMOVE AND UNPACK PARTS FOR INCANDESCENT FIXTURES FROM CARDBOARD CARTON.
2 REMOVE AND REINSTALL BEARING NUT ON EACH END OF PR EFABRICATED STEM PIECE FOR FIXTURES.
3 POSITION STEM PIECE TO BOX COVER PLATE.
4 TIGHTEN BEARING NUT ON EACH END OF STEM PIECE.
5 INSTALL BOX COVER PLATE WITH TWO SCREWS EACH FOR F IXTURES.
6 ASSEMBLE AND HANG INCANDESCENT FIXTURES WITH VARIA BLE NO. OF BULBS.
7 REMOVE ONE KNOCKOUT PLUG FROM COVER PLATE FOR EACH FIXTURE.
8 REMOVE AND REINSTALL LOUVER, GLASS OR PLASTIC DIFF USER IN FIXTURES.
9 SPLICE LEAD-IN WIRES IN JUNCTION BOX USING PLASTIC WIRE CONNECTORS.
10 PULL TWO LEAD-IN WIRES AN AVERAGE OF TWO FEET THRO UGH STEM PIECE FOR EACH FIXTURE.

GT 250 1 INSTALL CONDUIT TO CONCRETE BLOCK WALL FROM PANEL BOX AND RECEPTACLE AT EMERGENCY LIGHT FIXTURE LOCA
2 ASSEMBLE, MOUNT ADJACENT TO RECEPTACLE, PLUG-IN AN D TEST EMERGENCY LIGHT FIXTURE.

GT 251 1 TURN POWER OFF TO WIRE ELECTRICAL CONNECTIONS FOR LIGHTED EMERGENCY SIGN - RESTORE POWER
2 REMOVE AND UNPACK EMERGENCY EXIT SIGN PARTS FROM C ARTON
3 PUNCH AND REMOVE ONE ELECTRICAL AND TWO ATTACHMENT KNOCK OUTS FROM THE EMERGENCY SIGN FRAME
4 MARK AND DRILL IN BLOCK WALL - INSERT ANCHORS AND ATTACH EMERGENCY SIGN FRAME WITH SCREWS
5 REMOVE AND INSTALL SUSPENDED CEILING TILES TO RUN ELECTRICAL WIRING TO THE EMERGENCY EXIT SIGN *REMO
6 REMOVE AND INSTALL COVER PLATE OF JUNCTION BOX SUP PLYING ELECTRIC SERVICE *TWO(2) COVER PLATE SCREWS
7 REMOVE ELECTRICAL CABLE FROM REEL INCLUDES CUTTING OF CABLE *THE REFERENCE IS BASED ON 24 FEET OF CA
8 CUT AND REMOVE METAL SHEATHING FROM BOTH ENDS OF C ABLE
9 INSTALL EMT CONNECTOR TO JUNCTION BOX
10 PREPARE AND CONNECT CABLE TO JUNCTION BOX USING WI RE NUTS *CONNECT THREE(3) WIRES INCLUDING NEUTRAL
11 PREPARE DRILL WITH PROPER BITS TO DRILL ELECTRICAL HOLE IN CONCRETE BLOCK WALL
12 MEASURE FOR AND DRILL HOLE TO RUN ELECTRICAL CABLE THROUGH BLOCK WALL
13 INSTALL CABLE FROM JUNCTION BOX PULLING THE NECESS ARY CABLE THROUGH THE BLOCK WALL TO THE EMERGENCY
14 INSTALL EMT CONNECTOR TO EMERGENCY EXIT SIGN
15 PREPARE AND CONNECT CABLE TO EMERGENCY EXIT SIGN U SING WIRE NUTS *CONNECT THREE(3) WIRES INCLUDING N
16 PLACE EMERGENCY EXIT SIGN GLASS IN FRAME
17 NECESSARY WALKING BETWEEN EMERGENCY EXIT SIGN AND ELECTRICAL JUNCTION BOX

GT 252 1 TURN POWER OFF TO ELECTRICAL CONNECTIONS AND RESTO RE POWER
2 REMOVE TWO SCREWS HOLDING SIGN TO CEILING
3 LET SIGN DOWN FROM CEILING TO DISCONNECT WIRES
4 TEST CIRCUIT TO CONFIRM ELECTRICAL POWER WAS TURNE D OFF
5 DISCONNECT AND SEPARATE TWO(2) WIRES BY REMOVING T WO(2) WIRE NUTS
6 ASIDE EMERGENCY EXIT SIGN
7 REMOVE THREE(3) SCREWS FROM BASE PLATE AND ASIDE
8 STRAIGHTEN THREE(3) WIRES FOR INSTALLING SIGN
9 REMOVE EMERGENCY EXIT SIGN PARTS FROM CARTON AND O PEN AND UNPACK BASE PLATE, SCREWS, WITH OTHER PART
10 INSPECT EMERGENCY EXIT SIGN PARTS
11 REMOVE ONE ELECTRICAL AND TWO ATTACHMENT KNOCK OUT S FROM THE EMERGENCY EXIT SIGN FRAME
12 REMOVE ONE SCREW ON EMERGENCY EXIT SIGN HOLDING EN D PLATE AND ASIDE
13 INSTALL PLASTIC WIRE LINER IN SIGN
14 INSTALL TWO SCREWS TO BASE PLATE TO ATTACH EMERGEN CY EXIT SIGN AND INSTALL BASE PLATE WITH TWO SCREW
15 REMOVE EMERGENCY EXIT SIGN PLATES WITH GLASS FROM FRAME *FOUR SEPARATE PLATES
16 POSITION BASE AND EMERGENCY EXIT SIGN FRAME TO BAS E SCREWS
17 INSTALL EMERGENCY EXIT SIGN FRAME TO BASE PLATE WI TH TWO SCREWS
18 MAKE THREE(3) SPLICES FOR THE ELECTRICAL CONNECTIO

N OF THE EMERGENCY EXIT SIGN
19 INSTALL THREE WIRE NUTS TO MAKE ELECTRICAL CONNECT
ION FOR THE EMERGENCY EXIT SIGN
20 REMOVE PROTECTIVE ADHESIVE PAPER FROM EMERGENCY EX
IT SIGN GLASS PANE *REMOVE ONE FOOT OF ADHESIVE PA
21 REMOVE TWO DIRECTIONAL ARROWS FROM RED EMERGENCY E
XIT SIGN PLATE *2 DIRECTIONAL ARROWS X 50% OCCUREN
22 INSTALL EMERGENCY EXIT SIGN PLATE WITH GLASS INTO
FRAME *FOUR SEPARATE PLATES
23 INSTALL END COVER PLATE WITH ONE SCREW

GT 256 1 TURN BRANCH CIRCUIT OFF AND ON FOR FIXTURES.
2 REMOVE AND REINSTALL BOX COVER PLATE WITH TWO SCRE WS PER BOX, FOR FIXTURES.
3 CUT LEADS IN BOX, TAPE ENDS, AND PUSH BACK INTO OU TLET BOX (TWO WIRES) FOR FIXTURES.
4 REMOVE CABLE CONNECTOR FROM OUTLET AND INTEGRAL BO XES FOR FIXTURES.
5 INSTALL KNOCKOUT HOLE FILLER PLUG IN OUTLET BOX FO R FIXTURES.
6 REMOVE AND REINSTALL LOUVER, GLASS OR PLASTIC DIFF USER IN FIXTURES.
7 DISASSEMBLE AND REMOVE FLUORESCENT FIXTURES WITH T WO OR FOUR TUBES EACH.

GT 257 1 TURN BRANCH CIRCUIT OFF AND ON FOR EACH SET OF FIX TURES.
2 REMOVE AND REINSTALL BOX COVER PLATE WITH TWO SCRE WS PER BOX, FOR EACH SET OF FIXTURES. 2 SCREWS PER
3 CUT LEADS IN BOX, TAPE ENDS AND PUSH BACK INTO OUT LET BOX (TWO WIRES) FOR EACH SET OF FIXTURES. 2 WI
4 REMOVE CABLE CONNECTOR FROM OUTLET AND INTEGRAL BO XES FOR EACH SET OF FIXTURES.
5 INSTALL KNOCKOUT HOLE FILLER PLUG IN OUTLET BOX FO R EACH SET OF FIXTURES.
6 REMOVE AND REINSTALL LOUVER, GLASS OR PLASTIC DIFF USER IN EACH FIXTURE.
7 DISASSEMBLE AND REMOVE FLUORESCENT FIXTURES WITH T WO OR FOUR TUBES EACH (AVE. =3). * 3 LAMPS PER FIX
8 DISCONNECT INTERCONNECTED FIXTURE FROM ADJACENT FI XTURE FOR EACH FIXTURE.
9 PULL TWO INTERCONNECTED WIRES OUT OF FIXTURE TROUG H AN AVERAGE OF SIX FEET FOR EACH FIXTURE.

GT 258 1 TURN BRANCH CIRCUIT OFF AND ON FOR FIXTURES.
2 REMOVE AND REINSTALL BOX COVER PLATE WITH TWO SCRE WS PER BOX, FOR FIXTURES. TWO PLATES AND FOUR SCRE
3 CUT LEADS IN BOX, TAPE ENDS AND PUSH BACK INTO OUT LET BOX (TWO WIRES FOR FIXTURE).
4 INSTALL KNOCKOUT HOLE FILLER PLUG IN OUTLET BOX FO R FIXTURES.
5 REMOVE AND REINSTALL LOUVER GLASS OR PLASTIC DIFFU SER IN FIXTURES.
6 DISASSEMBLE AND REMOVE FLUORESCENT FIXTURES WITH T WO OR FOUR TUBES EACH.
7 REMOVE STEM LOCKS AND BEARING NUTS FOR FIXTURES.
8 REMOVE STEM PLATE FROM OUTLET BOX PLATE OR MOUNTIN G BRACKET, TWO SCREWS EACH FOR FIXTURES.
9 PULL TWO LEAD-IN WIRES OUT OF STEM AN AVERAGE OF T WO FEET EACH FOR FIXTURES.

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GT  259  1 TURN BRANCH CIRCUIT OFF AND ON FOR EACH SET OF FIX
           TURES.
         2 REMOVE AND REINSTALL BOX COVER PLATE WITH TWO SCRE
           WS PER BOX, FOR EACH SET OF FIXTURES. 2 SCREWS PER
         3 CUT LEADS IN BOX, TAPE ENDS AND PUSH BACK INTO OUT
           LET BOX (TWO WIRES) FOR EACH SET OF FIXTURES. 2 WI
         4 INSTALL KNOCKOUT HOLE FILLER PLUG IN OUTLET BOX FO
           R EACH SET OF FIXTURES.
         5 REMOVE AND REINSTALL LOUVER, GLASS OR PLASTIC DIFF
           DIFFUSER IN EACH FIXTURE.
         6 DISASSEMBLE AND REMOVE FLUORESCENT FIXTURES WITH T
           WO OR FOUR TUBES EACH (AVE.= 3). * 3 LAMPS PER FIX
         7 REMOVE 2 STEM LOCKS AND 2 BEARING NUTS FOR EACH FI
           XTURE.
         8 REMOVE STEM PLATE FROM OUTLET BOX PLATE OR MOUNT-
           ING BRACKET, TWO SCREWS EACH, FOR EACH FIXTURE. 2
         9 PULL TWO LEAD-IN WIRES OUT OF STEM AN AVERAGE OF T
           WO FEET FOR EACH SET OF FIXTURES. 2 FEET PER FIXTU
        10 DISCONNECT INTERCONNECTED FIXTURE FROM ADJACENT FI
           XTURE FOR EACH FIXTURE.
        11 PULL TWO INTERCONNECTING WIRES OUT OF FIXTURE TROU
           GH AN AVERAGE OF SIX FEET FOR EACH FIXTURE. 6 FEET

GT  260  1 TURN BRANCH CIRCUIT OFF AND ON FOR FIXTURES.
         2 INSTALL OUTLET BOX COVER PLATE, TWO SCREWS PER BOX
           FOR FIXTURES.
         3 CUT LEADS IN BOX, TAPE ENDS AND PUSH BACK INTO OUT
           LET BOX (TWO WIRES) FOR FIXTURES.
         4 DISASSEMBLE AND REMOVE FIXTURES.

GT  261  1 TURN BRANCH CIRCUIT OFF AND ON FOR FIXTURES.
         2 INSTALL OUTLET BOX COVER PLATE, TWO SCREWS PER BOX
           FOR FIXTURES.
         3 CUT LEADS IN BOX, TAPE ENDS AND PUSH BACK INTO OUT
           LET BOX (TWO WIRES) FOR FIXTURES.
         4 DISASSEMBLE AND REMOVE FIXTURES.
         5 REMOVE STEM LOCK AND BEARING NUTS, FOUR PER STEM F
           OR FIXTURES.
         6 REMOVE STEM PLATE FROM OUTLET BOX PLATE OR MOUNTIN
           G BRACKET FOR FIXTURES (TWO SCREWS).
         7 PULL TWO LEAD-IN WIRES OUT OF STEM FOR FIXTURES AN
           AVERAGE OF TWO FEET.

GT  280  1 CHANGE LAMPS IN FIXTURE. LAMP = NO. OF LAMPS PER F
           IXTURE.
         2 REMOVE AND REINSTALL LOUVER OR GLASS DIFFUSER (TWO
           SECTIONS). BULB = NUMBER OF BULBS PER FIXTURE.FIX

GT  281  1 CHANGE LAMPS IN FIXTURE. LAMP = NO. OF LAMPS PER F
           IXTURE. FIXTURE = NO. OF FIXTURES.
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GT 282 1 CHANGE LAMPS IN FIXTURES. USING STEPLADDER.
2 DISENGAGE AND REPOSITION. THREE (3) COVER LOCKS. S
PRING CLIPS.

GT 283 1 CHANGE BULB IN EXPLOSIVE PROOF FIXTURE USING STEPL
ADDER.

GT 284 1 REMOVE AND REINSTALL BULB, LADDER NOT USED.

GT 285 1 CHANGE BULB IN FROSTED GLOBE USING STEPLADDER.

GT 286 1 CHANGE BULB IN VAPOR-PROOF FIXTURE USING STEPLADDE
R.

GT 287 1 CHANGE BULB IN FLUSH TYPE FIXTURE USING LADDER.

GT 289 1 CHANGE ONE LAMP USING BULB CHANGER.

GT 290 1 CHANGE ONE LAMP USING BULB CHANGER.

GT 291 1 CHANGE ONE LAMP USING 27FT BULB CHANGER.

GT 292 1 REMOVE AND REINSTALL FLOODLIGHT BULBS ON TOWER (60
FT -80FT). BOX = NO. OF BOXES OF BULBS.

GT 293 1 REMOVE AND REINSTALL FLOODLIGHT LAMP ON BUILDING.

GT 300 1 REMOVE AND INSTALL/REINSTALL LOUVER, OR DIFFUSER
2 REMOVE AND INSTALL/REINSTALL 4FT FLUORESCENT TUBE
3 TEST FIXTURE AFTER REPAIRS

GT 301 1 REMOVE AND REINSTALL LOUVER, 4FT FLUORESCENT TUBE,
AND TEST AFTER REPAIR.
2 REMOVE OLD AND INSTALL NEW BALLAST

GT 302 1 REMOVE AND REINSTALL LOUVER, 4FT FLUORESCENT TUBE,
AND TEST AFTER REPAIR.
2 REMOVE OLD AND INSTALL NEW STARTER

GT 303 1 REMOVE AND REINSTALL LOUVER, 4FT FLUORESCENT TUBE,
STARTER AND TEST AFTER REPAIRS
2 REMOVE OLD AND INSTALL NEW SOCKET

GT 315 1 MATERIAL HANDLING - REEL.
2 MATERIAL HANDLING - COIL.
3 PREPARE COIL OF CABLE ON PORTABLE PAYOUT REEL FOR
UNWINDING AND WIND UP EXCESS AFTER USE.

GT 316 1 LOAD AND UNLOAD HEAVY REEL OF CABLE OF WIRE (OVER
100 LBS.) ON AND OFF TRUCK AT STORAGE AND WORK SIT
2 MATERIAL HANDLING - SLINGS AND SPINDLE.

GT 317 1 LOAD AND UNLOAD HEAVY COIL (OVER 100 LBS.) OF WIRE OR CABLE ON AND OFF TRUCK AT STORAGE AND WORK SIT
2 PREPARE COIL OF CABLE OR WIRE ON PORTABLE PAYOUT R EEL FOR UNWINDING AND WIND UP EXCESS AFTER USE.
3 MATERIAL HANDLING - REEL.

GT 318 1 LOAD AND UNLOAD HEAVY REEL OF CABLE OR WIRE (100 L BS. OR MORE) ON AND OFF TRUCK AT STORAGE SITES.
2 LOAD AND UNLOAD HEAVY REEL OF CABLE OR WIRE (100 L BS. OR MORE)AND COMPLETELY PREPARE FOR UNWINDING A
3 MATERIALS HANDLING - SLINGS AND SPINDLE.

GT 319 1 LOAD, UNLOAD AND PREPARE PARTIAL COIL (UNDER 100 L BS.) AND PAYOUT REEL FOR PULLING OUT; LATER WIND U
2 PULL OUT FIRST 50 FT. OF CONDUCTOR AND REEVE THROU GH PULLEY INSTALLED ON SUPPLY POLE.
3 PULL OUT CONDUCTOR MANUALLY (PER SPAN).
4 RAISE CONDUCTOR OVER CROSSARM ON INTERMEDIATE POLE INCLUDES WALKING AND CLIMBING.
5 INSTALL CONDUCTORS TO INSULATORS ON INTERMEDIATE P OLE USING TIE WIRE.
6 INSTALL CONDUCTOR TO SUPPLY AND TERMINAL POLES.
7 INSTALL AND REMOVE SAG GAUGE AND TARGET. ADJUST S AG.
8 MAKE AND INSTALL ONE CONNECTING JUMPER.
9 RAISE BUNDLE WITH HANDLINE.
10 MATERIAL HANDLING.

GT 320 1 LOAD, UNLOAD AND PREPARE CONDUCTOR AND PAY-OUT REE L
2 PULL OUT FIRST FIFTY FEET OF ADDITIONAL CONDUCTOR
3 MANUALLY PULL OUT CONDUCTORS PER SPAN
4 RAISE CONDUCTORS OVER CROSS ARM
5 INSTALL SECOND CONDUCTOR
6 INSTALL CONDUCTORS TO INSULATORS ON INTERMEDIATE P OLES USING TIE WIRE
7 MAKE UP AND INSTALL JUMPERS
8 RAISE MATERIAL WITH HANDLINE ONE BUNDLES
9 ADDITIONAL MATERIAL HANDLING

GT 323 1 LOAD AND UNLOAD HEAVY (OVER 100 LBS.) PARTIAL REEL OF CONDUCTOR AND REEL JACKS AND SET UP FOR PULLIN
2 PULL OUT (1ST) 50 FT. OF CONDUCTOR, REEVE THROUGH PULLEY INSTALLED ON SUPPLY CONNECTION POLE.
3 PULL OUT CONDUCTOR MANUALLY - PER SPAN.
4 RAISE CONDUCTOR OVER X-ARM ON INTERMEDIATE POLES - INCLUDES WALKING AND CLIMBING.
5 INSTALL CONDUCTOR TO INSULATOR ON NEW TERMINAL POL E.
6 INSTALL CONDUCTOR TO INSULATOR ON INTERMEDIATE POL ES - USING WIRE TIE.
7 TAKE UP SLACK IN CONDUCTOR - USING RATCHET HOIST.
8 INSTALL AND REMOVE SAG GAUGE AND TARGET, ADJUST CO NDUCTOR.
9 INSTALL CONDUCTOR TO INSULATOR ON (SUPPLY) CONNECT ION POLE - USING RATCHET HOIST.
10 MAKE UP AND INSTALL CONNECTING JUMPER.
11 RAISE BUNDLES OF MATERIAL WITH HANDLINE.
12 MATERIAL HANDLING.

GT 324 1 LOAD, UNLOAD AND PREPARE PARTIAL COIL AND PAYOUT REEL
2 PULL OUT FIRST FIFTY FEET OF CONDUCTOR AND REEVE THROUGH PULLEY
3 MANUALLY PULL OUT CONDUCTOR PER SPAN
4 RAISE CONDUCTOR OVER CROSSARM ON INTERMEDIATE POLE
5 INSTALL CONDUCTOR TO INSULATOR ON TERMINAL POLE
6 INSTALL CONDUCTOR TO INSULATOR ON INTERMEDIATE POLES USING TIE WIRES
7 TAKE UP SLACK IN CONDUCTOR WITH RATCHETT HOIST
8 INSTALL CONDUCTOR TO INSULATOR ON SUPPLY POLE WITH RATCHETT HOIST
9 MAKE UP AND INSTALL CONNECTING JUMPER
10 RAISE BUNDLES OF MATERIAL WITH HANDLINE
11 ADDITIONAL MATERIAL HANDLING

GT 327 1 DON AND REMOVE CLIMBING GEAR; CLIMB UP AND DOWN TO LOWER CROSS-ARM.
2 CLIMB UP AND DOWN THRU OBSTRUCTED AREA.
3 CHANGE TO RUBBER GLOVES AND SLEEVES AND REMOVE.
4 INSTALL AND REMOVE (6) RUBBER HOSE LINE INSULATORS AND (3) INSULATOR HOODS.
5 REMOVE (1) CONDUCTOR FROM TERMINAL FITTINGS, POLES
6 REMOVE TIE WIRE FROM INSULATORS.
7 SET REEL JACKS AND POSITION EMPTY REEL.
8 REEL IN CONDUCTOR MANUALLY, PER SPAN.
9 LOAD AND UNLOAD HEAVY REELS OF CONDUCTOR, USING WINCH.
10 MATERIAL HANDLING (EMPTY REELS, ETC.).

GT 328 1 CLIMB UP AND DOWN THROUGH OBSTRUCTED AREA
2 INSTALL AND REMOVE SIX RUBBER HOSE LINE INSULATORS AND THREE INSULATOR HOODS
3 REMOVE ADDITIONAL CONDUCTOR FROM POLES
4 REMOVE TIE WIRE FROM INSULATORS
5 SET REEL JACKS AND POSITION EMPTY REEL
6 MANUALLY REEL IN CONDUCTOR
7 LOAD AND UNLOAD CONDUCTOR REELS WITH WINCH
8 ADDITIONAL MATERIAL HANDLING

GT 331 1 DON AND REMOVE CLIMBING GEAR, CLIMB UP AND DOWN TO LOWER CROSS-ARM.
2 CLIMB UP AND DOWN THROUGH OBSTRUCTED AREA.
3 CHANGE TO RUBBER GLOVES AND SLEEVES AND REMOVE.
4 INSTALL AND REMOVE SIX RUBBER HOSE LINE INSULATORS AND THREE INSULATOR HOODS.
5 REMOVE ONE CONDUCTOR FROM TERMINAL FITTINGS.
6 REMOVE TIE WIRE FROM INSULATORS.
7 SET REEL JACKS AND POSITION EMPTY REEL.
8 REEL IN CONDUCTOR MANUALLY, PER SPAN OF CONDUCTOR.
9 LOAD AND UNLOAD ONE HEAVY REEL OF CONDUCTOR, USING WINCH .
10 MATERIAL HANDLING (EMPTY REEL, ETC.).

GT 332 1 CLIMB UP AND DOWN THROUGH OBSTRUCTED AREA
2 INSTALL AND REMOVE RUBBER HOSE LINE INSULATORS AND HOODS
3 REMOVE CONDUCTOR FROM TERMINAL FITTING
4 REMOVE TIE WIRE FROM INSULATORS
5 REEL IN CONDUCTOR MANUALLY
6 LOAD AND UNLOAD REEL OF CONDUCTOR
7 ADDITIONAL MATERIAL HANDLING (EMPTY REEL, ETC)

GT 340 1 DIG POLE HOLE (20 CF).
2 LOAD POLES ON TRUCK AND TRAILER AND UNLOAD AT WORK SITE.
3 INSTALL SINGLE CROSSARM AND ANGLE BRACE - INCLUDES GAINING AND DRILLING.
4 ASSEMBLE AND DISASSEMBLE POLE DERRICK TO TRUCK.
5 SET POLE USING POLE DERRICK.
6 MOVE TRUCK ONE SPAN AND RETURN TRUCK STOPS.
7 CLIMP UP AND DOWN POLE - INCLUDES DONNING AND REMO VING CLIMBING GEAR PER CLIMB.
8 INSTALL OR REMOVE FOUR PINS AND INSULATOR (HV).
9 ATTACH TWO IDENTIFICATION MARKERS TO POLE.
10 BACKFILL AND TAMP AROUND POLE.

GT 341 1 DIG POLE HOLE.
2 LOAD POLES ON TRUCK AND TRAILER AND UNLOAD AT WORK SITE.
3 INSTALL DOUBLE CROSSARM AND ANGLE BRACE - INCLUDES GAINING AND DRILLING.
4 ASSEMBLE AND DISASSEMBLE POLE DERRICK TO TRUCK.
5 SET POLE USING POLE DERRICK .
6 MOVE TRUCK ONE SPAN AND RETURN TRUCK STOPS.
7 CLIMB UP AND DOWN POLE - INCLUDES DONNING AND REMO VING CLIMBING GEAR.
8 INSTALL ONE HIGH VOLTAGE PIN AND INSULATOR.
9 ATTACH TWO IDENTIFICATION MARKERS TO POLE.
10 BACKFILL AND TAMP AROUND POLE.

GT 342 1 DIG POLE HOLE (20 CF).
2 LOAD POLES ON TRUCK AND TRAILER AND UNLOAD AT WORK SITE.
3 INSTALL SINGLE CROSS-ARMS AND ANGLE BRACES - INCLU DES GAINING AND DRILLING POLES.
4 ASSEMBLE AND DISASSEMBLE POLE DERRICK TO LINE TRUC K.
5 SET POLE USING POLE DERRICK.
6 MOVE TRUCK ONE SPAN AND RETURN TRUCK STOPS.
7 CLIMB UP AND DOWN POLE - INCLUDES DONNING AND REMO VING CLIMBING GEAR.
8 CLIMB FROM LOWER CROSS-ARM TO UPPER THROUGH OBSTRU CTED AREA AND RETURN .
9 INSTALL ONE HIGH VOLTAGE PIN AND INSULATOR.
10 ATTACH TWO IDENTIFICATION MARKERS TO POLE.
11 BACKFILL AND TAMP AROUND POLE.

GT 343 1 DIG POLE HOLE (20 CF).
2 LOAD POLES ON TRUCK AND TRAILER AND UNLOAD TRUCK A T WORK SITE.
3 INSTALL DOUBLE CROSS-ARMS AND ANGLE BRACES - INCLU DES GAINING AND DRILLING POLES.
4 ASSEMBLE AND DISASSEMBLE POLE DERRICK TO LINE TRUC K.
5 SET POLE USING POLE DERRICK.
6 MOVE TRUCK ONE SPAN AND RETURN TRUCK STOPS.
7 CLIMB UP AND DOWN POLE - INCLUDES DONNING AND REMO VING CLIMBING GEAR.
8 CLIMB FROM LOWER CROSS-ARM TO UPPER THROUGH OBSTRU CTED AREA AND RETURN.
9 INSTALL ONE HIGH VOLTAGE PIN AND INSULATOR.
10 ATTACH TWO IDENTIFICATION MARKERS TO POLE .
11 BACKFILL AND TAMP AROUND POLE.

GT 344 1 DIG POLE HOLE (20 CF) .
2 LOAD POLES ON TRUCK AND TRAILER AND UNLOAD AT WORK SITE.
3 INSTALL INSULATOR BRACKET WITH INSULATOR.
4 ASSEMBLE AND DISASSEMBLE POLE DERRICK TO LINE TRUC K.
5 SET POLE USING POLE DERRICK.
6 MOVE TRUCK ONE SPAN AND RETURN TRUCK STOPS.
7 ATTACH TWO IDENTIFICATION MARKERS TO POLE.
8 BACKFILL AND TAMP AROUND POLE.

GT 350 1 ASSEMBLE AND DISASSEMBLE POLE DERRICK TO TRUCK.
2 REMOVE POLE - INCLUDING PARTIAL EXCAVATION.
3 REMOVE SINGLE CROSS-ARM WITH ANGLE BRACE.
4 REMOVE HIGH VOLTAGE PINS AND INSULATORS.
5 LOAD POLES ON TRUCK AND UNLOAD.
6 BACKFILL HOLE.
7 MOVE TRUCK TO NEXT POLE AND RETURN TRUCK STOPS.
8 MATERIAL HANDLING.

GT 351 1 ASSEMBLE AND DISASSEMBLE POLE DERRICK TO LINE TRUC K.
2 REMOVE POLE WITH DERRICK - INCLUDES EXCAVATION .
3 REMOVE DOUBLE CROSS-ARM AND ANGLE BRACE.
4 REMOVE HIGH VOLTAGE PINS AND INSULATORS.
5 LOAD POLES ON TRUCK AND UNLOAD.
6 BACKFILL HOLE AND TAMP.
7 MOVE TRUCK TO NEXT POLE AND RETURN TRUCK STOPS.
8 MATERIALS HANDLING.

GT 352 1 ASSEMBLE AND DISASSEMBLE POLE DERRICK TO TRUCK.
2 REMOVE POLE - INCLUDES PARTIAL EXCAVATION.
3 REMOVE SINGLE CROSS-ARM WITH ANGLE BRACE.
4 REMOVE HIGH VOLTAGE PINS AND INSULATORS.
5 LOAD POLES ON TRUCK AND UNLOAD.
6 BACKFILL HOLE AND TAMP.
7 MOVE TRUCK TO NEXT POLE AND RETURN TRUCK STOPS.
8 MATERIALS HANDLING.

GT 353 1 ASSEMBLE AND DISASSEMBLE POLE DERRICK TO TRUCK.
2 REMOVE POLE - INCLUDES PARTIAL EXCAVATION.
3 REMOVE DOUBLE CROSS-ARM AND ANGLE BRACE.
4 REMOVE HIGH VOLTAGE PINS AND INSULATORS.
5 LOAD POLES ON TRUCK AND UNLOAD.
6 BACKFILL HOLE AND TAMP.
7 MOVE TRUCK TO NEXT POLE AND RETURN TRUCK STOPS.
8 MATERIALS HANDLING.

GT 354 1 ASSEMBLE AND DISASSEMBLE POLE DERRICK TO LINE TRUC K.
2 REMOVE POLE WITH DERRICK - INCLUDES EXCAVATION.
3 REMOVE TWO LOW VOLTAGE PINS AND INSULATORS.
4 LOAD POLES ON TRUCK AND UNLOAD.
5 BACKFILL AND TAMP HOLE.
6 MOVE TRUCK TO NEXT POLE AND RETURN.
7 MATERIALS HANDLING.

GT 355 1 LOAD POLE ON TRUCK AND TRAILER AND UNLOAD AT WORK- SITE.
2 POSITION 3/16" DIA. GROUND WIRE ON POLE IN HORIZON TAL POSITION - UNOBSTRUCTED.
3 INSTALL GROUND WIRE ON 40FT POLE LYING IN HORIZON- TAL POSITION - UNOBSTRUCTED.
4 SET UP LINE TRUCK INCLUDING RAISING AND LOWERING O F OUTRIGGERS - DOES NOT INCLUDE BUCKET TIME.
5 POSITION HYDRAULIC DERRICK FOR DRILLING OPERATIONS
6 BORE HOLE 6FT DEEP BY 18" TO 24" DIA. IN AVERAGE S OIL, UNOBSTRUCTED, USING MECHANICAL EARTH BORER, T
7 REMOVE AUGER FROM HOLE AND PUT IN TRAVEL POSITION ON BOOM.
8 INSTALL POLE STEPS ON 40FT POLE LYING IN HORIZONTA L POSITION - UNOBSTRUCTED.
9 INSTALL POLE IN HOLE USING LINE TRUCK WITH HYDRAUL ICALLY OPERATED DERRICK WITH GRABBER BARS ON BOOM.
10 BACKFILL HOLE AND TAMP (MANUALLY).

GT 360 1 ASSEMBLE POLE DERRICK TO LINE TRUCK AND DISASSEMBL E.
2 LOAD POLES ON TRUCK AND TRAILER AND UNLOAD.
3 DIG POLE HOLE (20 CF).
4 POSITION POLE ON GROUND.
5 SET POLE IN OBSTRUCTED AREA USING POLE DERRICK.
6 BACKFILL AND TAMP AROUND POLE.
7 TRANSFER POLE IDENTIFICATION MARKINGS TO NEW POLE.
8 DON AND REMOVE CLIMBING GEAR. CLIMB UP AND DOWN P OLE TO CROSSARM.
9 CHANGE TO RUBBER GLOVES AND SLEEVES AND REMOVE.
10 CLIMB TO AND FROM DIFFERENT LEVELS THRU OBSTRUCTED AREA.
11 RAISE, INSTALL, REMOVE AND LOWER SET OF SIX RUBBER HOSE LINE INSULATORS AND THREE INSULATOR HOODS.
12 RAISE, ATTACH, REMOVE AND LOWER PULLEY AND SLING.
13 RAISE OR LOWER TEMPORARY OR PERMANENT CROSSARM.
14 INSTALL TEMPORARY OR PERMANENT SINGLE CROSSARM.
15 INSTALL OR REMOVE TIE WIRE TO INSULATOR.
16 REPOSITION NO. 1/0 TO NO. 4/0 CONDUCTOR.
17 INSTALL OR REMOVE HIGH VOLTAGE INSULATOR AND PIN.
18 REMOVE TEMPORARY OR PERMANENT SINGLE CROSSARM.
19 CHANGE HORIZONTAL POSITION ON POLE UP TO TEN TIMES
20 REMOVE OLD POLE FROM OBSTRUCTED AREA, INCLUDING PA RTIAL EXCAVATION AROUND POLE.
21 POSITION LINE TRUCK.
22 BACKFILL OLD POLE HOLE.
23 MATERIAL HANDLING.

GT 361 1 ASSEMBLE AND DISASSEMBLE POLE DERRICK TO LINE TRUC
K.
2 LOAD POLES ON TRUCK AND TRAILER AND UNLOAD.
3 DIG POLE HOLE (20 CF).
4 POSITION POLE ON GROUND.
5 SET NEW POLE IN OBSTRUCTED AREA USING POLE DERRICK
6 TRANSFER POLE IDENTIFICATION MARKINGS TO NEW POLE.
7 DON AND REMOVE CLIMBING GEAR, CLIMB UP AND DOWN PO
LE TO LOWER CROSSARM.
8 CLIMB TO AND FROM DIFFERENT LEVELS THRU OBSTRUCTED
AREA.
9 CHANGE TO RUBBER GLOVES AND SLEEVES AND REMOVE.
10 RAISE INSTALL, REMOVE AND LOWER SET OF SIX RUBBER.
11 RAISE, ATTACH REMOVE AND LOWER PULLEY AND SLING TO
AND FROM POLE.
12 RAISE OR LOWER TEMPORARY OR PERMANENT CROSSARM.
13 INSTALL OR REMOVE TIE WIRE TO INSULATOR.
14 REPOSITION NO. 1/0 TO NO. 4/0 CONDUCTOR.
15 INSTALL OR REMOVE HIGH VOLTAGE INSULATOR AND PIN.
16 REMOVE TEMPORARY OR PERMANENT CROSS ARM.
17 INSTALL TEMPORARY OR FIRST NEW PERMANENT CROSS ARM
18 INSTALL SECOND NEW PERMANENT CROSS ARM. INCLUDES G
AINING AND DRILLING POLE.
19 CHANGE HORIZONTAL POSITION ON POLE UP TO TEN TIMES
20 REMOVE OLD POLE FROM OBSTRUCTED AREA.
21 POSITION LINE TRUCK.
22 MATERIAL HANDLING.

GT 362 1 ASSEMBLE POLE DERRICK TO LINE TRUCK AND DISASSEMBL
E.
2 LOAD POLES ON TRUCK AND TRAILER AND UNLOAD.
3 DIG POLE HOLE (20 CF).
4 POSITION POLE ON GROUND.
5 SET POLE IN OBSTRUCTED AREA USING POLE DERRICK.
6 BACKFILL AND TAMP AROUND POLE.
7 TRANSFER POLE IDENTIFICATION MARKINGS TO NEW POLE.
8 DON AND REMOVE CLIMBING GEAR. CLIMB UP AND DOWN PO
LE TO CROSSARM.
9 CHANGE TO RUBBER GLOVES AND SLEEVES AND REMOVE.
10 CLIMB TO AND FROM DIFFERENT LEVELS THRU OBSTRUCTED
AREAS.
11 RAISE, INSTALL, REMOVE, AND LOWER SET OF 6 LINE HO
ODS AND INSULATORS.
12 RAISE, ATTACH, REMOVE AND LOWER PULLEY AND SLING.
13 INSTALL OR REMOVE PIN AND INSULATOR.
14 RAISE OR LOWER TEMPORARY OR PERMANENT CROSSARM.
15 INSTALL TEMPORARY CROSSARM.
16 INSTALL OR REMOVE TIE WIRE TO INSULATOR.
17 REPOSITION NO. 1/0 TO NO. 4/0 CONDUCTOR.
18 REMOVE OLD DOUBLE CROSSARM.
19 INSTALL NEW DOUBLE CROSSARM TO POLE PREVIOUSLY GAI
NED AND DRILLED.
20 REMOVE TEMPORARY CROSSARM.
21 CHANGE HORIZONTAL POSITION ON POLE UP TO TEN TIMES
22 REMOVE OLD POLE FROM OBSTRUCTED AREA. INCLUDES PAR
TIAL EXCAVATION.
23 POSITION LINE TRUCK.
24 MATERIAL HANDLING.

GT 363 1 ASSEMBLE AND DISASSEMBLE POLE DERRICK TO LINE TRUC
K.
2 DIG POLE HOLE (20 CF).
3 LOAD POLE ON TRUCK AND TRAILER AND UNLOAD.
4 POSITION POLE ON GROUND.
5 SET POLE IN OBSTRUCTED AREA.
6 BACKFILL AND TAMP AROUND NEW POLE.
7 TRANSFER POLE IDENTIFICATION MARKINGS.
8 DON AND REMOVE GEAR, CLIMB UP AND DOWN TO LOWER CR
OSSARM.
9 CLIMB THRU OBSTRUCTED AREA AND BACK.
10 CHANGE TO RUBBER GLOVES AND SLEEVES AND REMOVE.
11 RAISE, INSTALL, REMOVE AND LOWER SET OF SIX RUBBER
HOSE LINE INSULATORS AND THREE HOODS.
12 RAISE, ATTACH, REMOVE AND LOWER PULLEY AND SLING.
13 RAISE OR LOWER TEMPORARY OR PERMANENT CROSSARM.
14 INSTALL TEMPORARY CROSSARM.
15 INSTALL NEW DOUBLE CROSSARM.
16 INSTALL NEW DOUBLE CROSSARM INCLUDING GAINING AND
DRILLING.
17 INSTALL OR REMOVE TIE WIRE TO INSULATOR.
18 REPOSITION NO. 1/0 TO NO. 4/0 CONDUCTOR.
19 INSTALL OR REMOVE HIGH VOLTAGE INSULATOR AND PIN.
20 REMOVE TEMPORARY CROSSARM.
21 REMOVE OLD DOUBLE CROSSARM.
22 CHANGE HORIZONTAL POSITION ON POLE UP TO TEN TIMES
23 REMOVE POLE FROM OBSTRUCTED AREA.
24 POSITION LINE TRUCK.
25 BACKFILL POLE HOLE.
26 MATERIAL HANDLING.

GT 364 1 MANUALLY ASSEMBLE AND DISASSEMBLE POLE DERRICK.
2 LOAD AND UNLOAD NEW AND OLD POLES.
3 EXCAVATE POLE HOLE (20 CF).
4 POSITION POLE ON GROUND.
5 SET NEW POLE IN OBSTRUCTED AREA.
6 BACKFILL AND TAMP.
7 TRANSFER POLE IDENTIFICATION MARKINGS.
8 DON AND REMOVE GEAR, CLIMB UP AND DOWN TO LOWER CR
OSSARM.
9 CLIMB THRU OBSTRUCTED AREA AND BACK.
10 CHANGE TO RUBBER GLOVES AND SLEEVES AND REMOVE.
11 RAISE, INSTALL, REMOVE AND LOWER INSULATOR SET.
12 RAISE, ATTACH, REMOVE AND LOWER PULLEY AND SLING.
13 RAISE OR LOWER TEMPORARY CROSSARM.
14 INSTALL TEMPORARY CROSSARM.
15 OBTAIN, RAISE, ATTACH RATCHET HOIST TO TERMINAL CO
NDUCTORS. LOOSEN AND REMOVE.
16 DISASSEMBLE AND REMOVE OLD JUMPER WIRE.
17 REMOVE PAIR CLEVIS INSULATORS.
18 REPOSITION TERMINAL CONDUCTOR ENDS. ATTACH TO RATC
HET HOIST.
19 REMOVE OLD DOUBLE CROSSARM.
20 RAISE OR LOWER CROSSARM SECTIONS 2 UP 2 DOWN.
21 INSTALL OR REMOVE HIGH VOLTAGE INSULATOR OR PIN. 2
PER JUMPER CONNECTION.
22 INSTALL PAIR CLEVIS INSULATORS.
23 ASSEMBLE AND INSTALL NEW JUMPER WIRE.
24 REMOVE TEMPORARY CROSSARM.
25 CHANGE HORIZONTAL POSITION ON POLE UP TO TEN TIMES
26 ATTACH AND DETACH, RAISE AND LOWER BUNDLE OF MATER
IAL.
27 POSITION LINE TRUCK.
28 MATERIAL HANDLING.

GT 365 1 MANUALLY ASSEMBLE AND DISASSEMBLE POLE DERRICK.
2 LOAD AND UNLOAD NEW AND OLD POLES.
3 EXCAVATE POLE HOLE (20 CF).
4 POSITION POLE ON GROUND.
5 SET NEW POLE IN OBSTRUCTED AREA.
6 BACKFILL AND TAMP.
7 TRANSFER POLE IDENTIFICATION MARKINGS.
8 DON AND REMOVE GEAR, CLIMB UP AND DOWN TO LOWER CR OSSARM.
9 CLIMB THRU OBSTRUCTED AREA AND BACK.
10 CHANGE TO RUBBER GLOVES AND SLEEVES AND REMOVE.
11 RAISE, INSTALL, REMOVE AND LOWER INSULATOR SET.
12 RAISE ATTACH, REMOVE AND LOWER PULLEY AND SLING.
13 RAISE OR LOWER TEMPORARY CROSSARM.
14 INSTALL TEMPORARY CROSSARM.
15 OBTAIN RAISE AND ATTACH RATCHET HOIST TO TERMINAL CONDUCTORS. LOOSEN AND REMOVE.
16 DISASSEMBLE AND REMOVE OLD JUMPER WIRE.
17 REMOVE PAIR CLEVIS INSULATORS.
18 REPOSITION TERMINAL CONDUCTOR ENDS. ATTACH TO RATC HET HOIST.
19 REMOVE OLD CROSSARM.
20 RAISE OR LOWER CROSSARM SECTIONS. 4 UP 4 DOWN.
21 INSTALL OR REMOVE HIGH VOLTAGE INSULATOR AND PIN. 2 PER JUMPER CONNECTION.
22 INSTALL NEW DOUBLE CROSSARM, POLE PREVIOUSLY GAINE D AND DRILLED.
23 INSTALL NEW DOUBLE CROSSARM INCLUDING GAINING AND DRILLING.
24 INSTALL PAIR OF CLEVIS INSULATORS.
25 ASSEMBLE AND INSTALL NEW JUMPER WIRE.
26 REMOVE TEMPORARY CROSSARM.
27 CHANGE HORIZONTAL POSITION ON POLE UP TO TEN TIMES
28 ATTACH AND DETACH, RAISE AND LOWER BUNDLE OF MATER IAL.
29 POSITION LINE TRUCK.
30 MATERIAL HANDLING.

GT 366 1 MANUALLY ASSEMBLE AND DISASSEMBLE POLE DERRICK TO LINE TRUCK.
2 DIG POLE HOLE (20 CF).
3 LOAD POLE ON TRUCK AND TRAILER AND UNLOAD.
4 POSITION POLE ON GROUND.
5 INSTALL INSULATOR BRACKET AND INSULATOR.
6 SET NEW POLE IN OBSTRUCTED AREA.
7 BACKFILL AND TAMP AROUND POLE.
8 TRANSFER IDENTIFICATION MARKINGS.
9 DON AND REMOVE CLIMBING GEAR. CLIMB UP AND DOWN PO LE.
10 REMOVE OR INSTALL TIE WIRE TO INSULATOR.
11 REPOSITION NO. 6 TO NO. 1 CONDUCTOR.
12 CHANGE HORIZONTAL POSITION ON POLE UP TO TEN TIMES
13 REMOVE OLD POLE FROM OBSTRUCTED AREA. INCLUDES PAR TIAL EXCAVATION.
14 BACKFILL OLD POLE HOLE.
15 POSITION LINE TRUCK.
16 REMOVE LOW VOLTAGE PIN AND INSULATOR.
17 MATERIAL HANDLING.

GT 370 1 EXCAVATE AROUND POLE (10 CF).
2 STRAIGHTEN POLE USING TRUCK MOUNTED WINCH.
3 BACKFILL AND TAMP.
4 MATERIAL HANDLING.

GT 371 1 EXCAVATE AROUND POLE (10 CF).
2 STRAIGHTEN POLE USING JACK.
3 BACKFILL AND TAMP.
4 MATERIAL HANDLING.

GT 372 1 REMOVE AND REINSTALL TIE WIRES. INCLUDES CLIMBING. AVE. = .0807 PER CONDUCTOR.
2 STRAIGHTEN FREE STANDING POLE USING TRUCK MOUNTED WINCH AND CABLE.

GT 373 1 REMOVE AND REINSTALL TIE WIRES. INCLUDES CLIMBING. AVE. = .0807 PER CONDUCTOR.
2 STRAIGHTEN ONE FREE STANDING POLE USING JACK.

GT 380 1 ASSEMBLE ANCHOR GUYS ON GROUND WITH ONE STRAIN INS ULATOR EACH.
2 INSTALL PRE-ASSEMBLED ANCHOR GUY WITH GUY GUARD IN CLUDING DRILLING HOLE AND PULLING GUY TAUT AT ANCH

GT 381 1 HAND EXCAVATE HOLES FOR ANCHOR (20 CF EACH).
2 CUT ANCHOR ROD RECESSES ON SIDE OF HOLES.
3 INSTALL ANCHOR WITH ROD FOR GUYS.
4 BACKFILL WITH EARTH AND/OR ROCK AND TAMP FOR ANCHO R GUYS.
5 ASSEMBLE ANCHOR GUYS ON GROUND WITH ONE STRAIN INS ULATOR EACH.
6 INSTALL PRE-ASSEMBLED ANCHOR GUY WITH GUY GUARD IN CLUDING DRILLING HOLE IN POLE AND PULLING GUY TAUT

GT 382 1 ASSEMBLE POLE OR ARM GUY ON GROUND WITH ONE STRAIN INSULATOR EACH.
2 INSTALL PRE-ASSEMBLED POLE OR ARM GUYS - INCLUDES DRILLING HOLES AND PULLING GUYS TAUT.
3 MOVE BUCKET TRUCK FROM ONE POLE LOCATION TO THE NE XT FOR GUYS.

GT 383 1 LOAD POLES ON TRUCK AND TRAILER AT YARD AND UNLOAD AT WORK SITES.
2 ROTATE POLES ON THE GROUND.
3 HAND EXCAVATE FOR STUB POLES (20 CT EACH).
4 SET POLE INCLUDING ASSEMBLY AND DISASSEMBLY OR POL E DERRICK.
5 SET POLE WITHOUT ASSEMBLY AND DISASSEMBLY OF POLE DERRICK FOR STUB POLES.
6 BACKFILL WITH EARTH AND/OR ROCK AND TAMP FOR STUB POLES.
7 INSTALL ANCHOR GUY WITH ANCHOR AND RODS, INCLUDING HAND EXCAVATION AND BACKFILL OF EARTH AND ROCK (2
8 ASSEMBLE POLE GUYS ON GROUND WITH ONE STRAIN INSUL ATOR EACH.
9 POSITION TRUCK FOR STUB POLES.
10 INSTALL PRE-ASSEMBLED POLE GUY- INCLUDES DRILLING HOLES IN POLE AND PULLING GUY TAUT FOR STUB POLE.

GT 384 1 LOAD POLES ON TRUCK AND TRAILER AT YARD AND UNLOAD AT WORK SITE.
2 ROTATE POLES ON THE GROUND.
3 BORE HOLES WITH MECHANICAL EARTH AUGER, TRUCK MOUNTED (HOLE: 7 FT. DEEP, 1-2 FT. IN DIAMETER), SANDY
4 CUT ANCHOR ROD RECESSES ON SIDE OF ANCHOR HOLE FOR STUB POLES.
5 SET POLE INCLUDING ASSEMBLY AND DISASSEMBLY OF POLE DERRICK.
6 SET POLE WITHOUT ASSEMBLY AND DISASSEMBLY OF POLE DERRICK FOR STUB POLES.
7 INSTALL ANCHOR WITH ROD FOR STUB POLES.
8 BACKFILL WITH EARTH (STUB POLE AND ANCHOR) AND/OR ROCK AND TAMP FOR STUB POLES.
9 ASSEMBLE ONE ANCHOR GUY ON GROUND WITH ONE STRAIN INSULATOR FOR STUB POLES.
10 INSTALL ONE POLE GUY WITH STRAIN INSULATORS, INCLUDING DRILLING HOLE AND ADJUSTING GUY TENSION FOR S
11 INSTALL PRE-ASSEMBLED ANCHOR GUY WITH GUY GUARD INCLUDING DRILLING HOLE IN POLE AND PULLING GUY TAUT

GT 385 1 LOAD POLES ON TRUCK AND TRAILER AT YARD AND UNLOAD AT WORK SITE.
2 ROTATE POLES ON THE GROUND.
3 HAND EXCAVATE FOR PUSH BRACES (20 CF EACH).
4 INSTALL PUSH BRACE.
5 BACKFILL WITH EARTH AND/OR ROCK AND TAMP FOR PUSH BRACES.
6 POSITION TRUCK FOR EACH OF PUSH BRACES.

GT 386 1 LOAD POLES ON TRUCK AND UNLOAD AT WORK SITE.
2 ROTATE POLES ON GROUND.
3 BORE HOLE WITH MECHANICAL AUGER FOR PUSH BRACES.
4 INSTALL PUSH BRACES.
5 BACKFILL WITH EARTH AND/OR ROCK AND TAMP FOR PUSH BRACES.

GT 389 1 REMOVE POLE GUY FROM STUB POLES.
2 REMOVE ANCHOR GUYS INCLUDING DISASSEMBLY OF GUY GUARD FOR STUB POLES.
3 REMOVE ANCHOR RODS INCLUDING PARTIAL EXCAVATION AND BACKFILL FOR STUB POLES.
4 REMOVE STUB POLES INCLUDING ASSEMBLY AND DISASSEMBLY OF POLE DERRICK, INITIAL RAISING OF POLE WITH
5 REMOVE STUB POLES WITH INITIAL RAISING OF POLE WITH POLE JACK, INCLUDING PARTIAL EXCAVATION.
6 REPOSITION LINE TRUCK FOR STUB POLES.
7 LOAD POLES AT SITE AND UNLOAD AT DISPOSAL AREA.
8 BACKFILL HOLE (10 CF) FOR STUB POLES.

GT 390 1 REMOVE ANCHOR GUYS INCLUDING DISASSEMBLY OF GUY GU
ARDS.
2 REMOVE ANCHOR RODS INCLUDING PARTIAL EXCAVATION AN
D BACKFILL.

GT 391 1 REMOVE POLE OR ARM GUYS.

GT 392 1 REMOVE ANCHOR GUYS INCLUDING DISASSEMBLY OF GUY GU
ARD FOR STUB POLES.
2 REMOVE POLE GUY FROM STUB POLES.
3 REMOVE ANCHOR ROD INCLUDING PARTIAL EXCAVATION AND
BACKFILL FOR STUB POLES.
4 REMOVE STUB POLES INCLUDING ASSEMBLY AND DISASSEM-
BLY OF POLE DERRICK, INITIAL RAISING OF POLE WITH
5 REMOVE STUB POLE WITH INITIAL RAISING OF POLE WITH
POLE JACK, INCLUDING PARTIAL EXCAVATION.
6 REPOSITION LINE TRUCK FOR STUB POLES.
7 LOAD POLES AT SITE AND UNLOAD AT DISPOSAL AREA.

GT 393 1 LOAD POLES ON TRUCK AND TRAILER AND UNLOAD AT DISP
OSAL SITE. POLE = NO. OF PUSH BRACES.
2 ROTATE PUSH BRACES ON GROUND.
3 EXCAVATE FOR PUSH BRACES BY HAND (20 CF).
4 REMOVE OLD PUSH BRACES - INCLUDES CLIMBING POLE.
5 BACKFILL WITH EARTH AND/OR ROCK AND TAMP FOR PUSH
BRACES.

GT 395 1 INSTALL ANCHOR GUYS TO PRE-INSTALLED ANCHORS, INCL
UDING DRILLING HOLES AND ADJUSTING TENSION IN GUY.
2 REMOVE ANCHOR GUYS INCLUDING DISASSEMBLY OF GUY GU
ARD.

GT 396 1 INSTALL ANCHOR GUYS WITH ANCHORS AND RODS, INCLUDI
NG HAND EXCAVATION AND BACKFILL OF EARTH AND ROCK
2 REMOVE ANCHOR GUYS INCLUDING DISASSEMBLY OF GUY GU
ARD.
3 REMOVE ANCHOR RODS INCLUDING PARTIAL EXCAVATION AN
D BACKFILL.

GT 397 1 INSTALL POLE OR ARM GUYS WITH STRAIN INSULATORS, I
NCLUDING DRILLING HOLE AND ADJUSTING GUY TENSION
2 REMOVE POLE OR ARM GUYS.

GT 398 1 REMOVE STUB POLES WITH POLE GUYS AND ANCHOR GUYS,
INCLUDING PARTIAL EXCAVATION, CUTTING ANCHOR ROD A
2 INSTALL UNOBSTRUCTED STUB POLES WITH POLE GUY AND
ANCHOR WITH ANCHOR GUY, INCLUDING DRILLING HOLES,

GT 399 1 REMOVE PUSH BRACES.
2 INSTALL PUSH BRACES.

GT 403 1 REMOVE AND INSTALL PANEL COVER *TWO OCCURRENCES: (1)OLD TRANSFORMER; (2)NEW TRANSFORMER
2 CHECK ELECTRICAL SEQUENTIAL ROTATION OF OLD TRANSFORMER BEFORE REMOVAL AND AFTER INSTALLATION OF NEW
3 TURN POWER OFF AND ON
4 DISCONNECT POWER SUPPLY WIRES AND APPLY I.D. TAPE
5 REMOVE WIRE BRACKETS; DISCONNECT POWER SUPPLY WIRES FROM BRACKETS; APPLY I.D. TAPE TO WIRES *13 WIRE
6 REMOVE JUNCTION BOX COVER; PULL DISCONNECTED WIRES OUT OF TRANSFORMER *13 WIRES
7 REMOVE CONDUIT LOCKNUT; PULL CONDUIT WITH DISCONNECTED WIRES FROM TRANSFORMER
8 REMOVE FASTNERS HOLDING JUNCTION BOX TO TRANSFORMER
9 REMOVE JUNCTION BOX LOCKNUT; PULL JUNCTION BOX FROM TRANSFORMER
10 PULL DISCONNECTED TRANSFORMER FROM WALL AND REMOVE USING HAND TRUCK; GET TRANSFORMER USING HAND TRUC
11 ATTACH JUNCTION BOX TO TRANSFORMER
12 ATTACH CONDUIT FEEDERS TO TRANSFORMER *TWO(2) CONDUIT FEEDERS
13 CUT WIRES; REMOVE INSULATION; ATTACH A SOLDERLESS CONNECTOR TO THE WIRES BY CRIMPING *NINE(9) WIRES
14 CONNECT LUG TO BUS BAR USING WRENCH *FOUR(4) LUGS
15 CUT WIRES; REMOVE INSULATION; ATTACH A SOLDERLESS SCREW TYPE LUG TO WIRES *THREE(3) WIRES
16 CUT SPLICE WIRE; REMOVE INSULATION; ATTACH A SOLDERLESS CONNECTOR TO THE SPLICE WIRE BY CRIMPING; IN
17 STRAIGHTEN WIRES USING HANDS AND PLIERS *THREE(3) OCCURRENCES
18 CONNECT LUG TO BUS BARUSING WRENCH; CONNECT ONE WIRE TO LUG; INCLUDES REMOVING INSULATION FROM WIRE
19 CONNECT BRACKET TO SPLICE WIRE BY CRIMPING
20 CUT WIRE; REMOVE INSULATION FROM WIRE END; INSERT WIRE INTO LUG; USE WRENCH TO SECURE WIRE BY TIGHTE

GT 404 1 GET TRANSFORMER USING HANDTRUCK AND PUSH INTO FINAL POSITION
2 REMOVE AND INSTALL PANEL COVER
3 ATTACH JUNCTION BOX TO TRANSFORMER
4 ATTACH CONDUIT FEEDERS TO TRANSFORMER *TWO(2) CONDUIT FEEDERS
5 CUT WIRES; REMOVE INSULATION; ATTACH A SOLDERLESS CONNECTOR TO THE WIRES BY CRIMPING *NINE(9) WIRES
6 CONNECT LUGS TO BUS BAR USING WRENCH *FOUR(4) LUGS
7 CUT WIRES; REMOVE INSULATION; ATTACH A SOLDERLESS SCREW TYPE LUG TO WIRES *THREE(3) WIRES
8 CUT SPLICE WIRE; REMOVE INSULATION; ATTACH A SOLDERLESS CONNECTOR TO THE SPLICE WIRE BY CRIMPING; IN
9 STRAIGHTEN WIRES USING HANDS AND PLIERS
10 CONNECT LUG TO BUS BAR USING WRENCH; CONNECT WIRE TO LUG; INCLUDES REMOVING INSULATION FROM WIRE END
11 CONNECT BRACKET TO SPLICE WIRE BY CRIMPING
12 CUT WIRE; REMOVE INSULATION FROM WIRE END; INSERT WIRE INTO BRACKET; USE WRENCH TO SECURE WIRE BY TI
13 TURN POWER ON
14 CHECK ELECTRICAL SEQUENTIAL ROTATION

GT 405 1 REMOVE AND INSTALL PANEL COVER
2 CHECK ELECTRICAL SEQUENTIAL ROTATION
3 TURN OFF POWER
4 DISCONNECT POWER SUPPLY WIRES AND APPLY I.D. TAPE
5 REMOVE WIRE BRACKETS; DISCONNECT POWER SUPPLY WIRE S FROM BRACKETS; APPLY I.D. TAPE TO WIRES *13 WIRE
6 REMOVE JUNCTION BOX COVER; PULL DISCONNECTED POWER SUPPLY WIRES OUT OF TRANSFORMER *13 WIRES
7 REMOVE CONDUIT LOCKNUT; PULL CONDUIT WITH DISCONNE CTED WIRES FROM TRANSFORMER *USE HAMMER AND SCREWD
8 REMOVE SCREWS HOLDING JUNCTION BOX TO TRANSFORMER
9 REMOVE JUNCTION BOX LOCKNUT; PULL JUNCTION BOX FRO M TRANSFORMER *USE HAMMER AND SCREWDRIVER TO REMOV
10 PULL DISCONNECTED TRANSFORMER FROM WALL AND REMOVE USING HANDTRUCK

GT 406 1 EXCAVATE HOLE FOR GROUND ROD (2 CF).
2 DRIVE GROUND ROD (3/4" X 10FT) INTO GROUND.
3 CONNECT GROUND WIRE TO ROD WITH CLAMP.
4 BACKFILL OVER TOP OF GROUND (2 CF).
5 MATERIAL HANDLING.

GT 407 1 EXCAVATE HOLE FOR GROUND ROD (2 CF).
2 DRIVE GROUND ROD (3/4" X 10FT) INTO GROUND.
3 SECURE GROUND WIRE TO POLE (STAPLES). 30 = NO. OF FEET OF CABLE.
4 INSTALL PROTECTIVE MOLDING ON POLE. 10 = NO. OF LI NEAR FEET PER JOB.
5 CONNECT GROUND WIRE TO ROD WITH CLAMP.
6 BACKFILL OVER TOP OF GROUND ROD.
7 CHANGE POSITION ON POLE THROUGH OBSTRUCTED AREA.
8 CHANGE FROM LINEMAN TO RUBBER GLOVES.
9 INSTALL AND REMOVE PROTECTIVE LINE INSULATION.
10 RAISE BUNDLE OF MATERIAL.

GT 408 1 ATTACH AND DETACH, RAISE AND LOWER ONE JUMPER WIRE ASSEMBLY USING HANDLINE.
2 INSTALL OR REMOVE INCLUDING ASSEMBLY OR DISASSEM- BLY, ONE JUMPER WIRE.
3 MATERIALS HANDLING.

GT 409 1 INSTALL AND REMOVE PROTECTIVE LINE EQUIPMENT IN- S ULATION EQUIPMENT (UP TO SIX HOSES).
2 CHANGE HORIZONTAL POSITION ON POLE UP TO TEN TIMES .
3 INSTALL OR REMOVE PRIMARY OR SECONDARY DISTRIBU- T ION SYSTEM JUMPER WIRE.

GT 410 1 CHANGE POSITION ON POLE 10 TIMES.
2 CHANGE FROM LINEMAN TO RUBBER GLOVES.
3 INSTALL AND REMOVE PROTECTIVE LINE EQUIPMENT.
4 CONNECT WIRES BETWEEN TRANSFORMER AND CUT-OUTS. TI E = TOTAL NO. OF TIES INSTALLED.
5 CONNECT WIRES BETWEEN TRANSFORMER AND SECONDARY LI NES (3) INCLUDING GROUND.
6 CONNECT TWO LIGHTNING ARRESTERS TO GROUND.
7 INSTALL TRAINING WIRE PIN AND INSULATOR.
8 CONNECT TWO LIGHTNING ARRESTORS AND CUT-OUTS TO PR IMARY LINES. TIE = TOTAL NO. OF LEADS.
9 INSTALL WIRE TIE TO TRAINING INSULATOR.
10 INSTALL FUSE IN CUT-OUT SWITCH. TIE = TOTAL NO. OF SWITCHES.
11 CLOSE CUT-OUT SWITCH INCLUDING CLIMB AND HANDLING STICK. TIE = TOTAL NO. OF SWITCHES.
12 MATERIAL HANDLING.

GT 411 1 CHANGE HORIZONTAL POSITION ON POLE UP TO TEN TIMES
.
2 CHANGE FROM LINEMAN TO RUBBER GLOVES.
3 INSTALL AND REMOVE PROTECTIVE LINE INSULATION.
4 OPEN CUT-OUT SWITCH INCLUDING CLIMB AND USING STIC
K.
5 REMOVE TWO CONNECTORS AND DISCONNECT CONNECTORS.
6 REMOVE TIE WIRE FROM TRAINING INSULATOR.
7 REMOVE TRAINING WIRE PIN AND INSULATOR.
8 MATERIAL HANDLING.

GT 412 1 REMOVE OLD LINES FROM INSULATORS AND INCANDESCANT
STREET LIGHT FIXTURES FROM EXISTING POLES. BUCKET

GT 413 1 UNWIND AND LAYOUT FOOTAGE OF #6 TRIPLEX CABLE. TWO
MEN REQUIRED.
2 MOUNT #6 TRIPLEX CABLE TO TOP OF EXISTING POLES. T
WO MEN REQUIRED.
3 ASSEMBLE A 400 WATT HIGH PRESSURE SODIUM LUMINAIRE
WITH PHOTOELECTRIC RECEPTACLE FROM SHIPPING BOX.
4 MOUNT A 400 WATT HIGH PRESSURE SODIUM LUMINAIRE TO
AN EXISTING POLE. TWO MEN REQUIRED.
5 SPLICE 3-#12 CONDUCTORS TO 3-#6 (TRIPLEX CABLE) CO
NDUCTORS WITH SOLDERLESS CONNECTORS TO PROVIDE SER

GT 414 1 REMOVE OLD LINES FROM INSULATORS AND INCANDESCANT
STREET LIGHT FIXTURES FROM EXISTING POLES. BUCKET
2 INSTALL 400 WATT HIGH PRESSURE SODIUM STREET LIGHT
S TO EXISTING POLES. BUCKET TRUCK USED.TWO MEN REQ

GT 415 1 PUT TOOLS AND EQUIPMENT INTO BUCKET TRUCK BUCKET A
ND REMOVE.
2 POLE TIME - INCLUDES TRUCK SETUP TIME.
3 FASTEN ROPE AND HOIST TO CROSSARM AND UNFASTEN.
4 FASTEN ROPE TO STREET LAMP SUPPORT ARM AND UNFASTE
N.
5 REMOVE BOLT FROM LAMP SUPPORT ARM.
6 LOWER LAMP SUPPORT ARM TO GROUND USING ROPE AND HO
IST.
7 MATERIAL HANDLING.

GT 416 1 REMOVE ONE 3 SPOOL SECONDARY RACK.

GT 417 1 REMOVE ONE FIVE SPOOL SECONDARY RACK.

GT 418 1 REMOVE SINGLE CROSSARM.
2 RAISE OR LOWER ONE CROSSARM (INSTALL OR REMOVE).

GT 419 1 REMOVE DOUBLE CROSSARM.
2 RAISE OR LOWER 2 CROSSARMS (INSTALL OR REMOVE).

GT 420 1 CLIMB POLE MANUALLY, DON AND REMOVE CLIMBING GEAR, CLIMB UP AND DOWN POLE TO LOWER CROSS ARM.
2 CLIMB TO AND FROM DIFFERENT LEVELS ON POLE THROUGH OBSTRUCTED AREA.
3 ATTACH AND REMOVE PULLEY AND SLING TO TOP OF POLE OR CROSSARM.
4 RAISE AND LOWER TOOL BAG AND MATERIAL.
5 CHANGE HORIZONTAL POSITION OF POLE UP TO TEN TIMES .
6 CHANGE TO RUBBER GLOVES AND SLEEVES.

GT 421 1 ENTER BUCKET, RAISE TO WORKING POSITION AND RETURN INCLUDES TEN REPOSITIONS OF BUCKET; INCLUDES CHAN
2 CHANGE TO RUBBER GLOVES AND SLEEVES.

GT 422 1 INSTALL SINGLE CROSSARM.
2 RAISE OR LOWER ONE CROSSARM (INSTALL OR REMOVE).

GT 423 1 INSTALL DOUBLE CROSSARM.
2 RAISE OR LOWER 2 CROSSARMS (INSTALL OR REMOVE).

GT 424 1 INSTALL AND REMOVE SET OF RUBBER HOSES AND HOODS O N ENERGIZED CONDUCTORS.
2 INSTALL OR REMOVE PINS AND HIGH VOLTAGE INSULA- TO RS.
3 MATERIAL HANDLING.

GT 425 1 INSTALL AND REMOVE 6 RUBBER HOSE LINE INSULATORS A ND 3 INSULATOR HOODS.
2 REMOVE AND REINSTALL TIE WIRES.
3 REMOVE AND REINSTALL INSULATORS ON PINS.
4 REPOSITION NO. 1/0 TO NO. 4/0 CONDUCTORS TWICE.
5 MATERIAL HANDLING.

GT 426 1 INSTALL AND REMOVE 6 LINE INSULATORS AND 3 INSULA- TOR HOODS.
2 REPOSITION NO. 1/0 TO NO. 4/0 CONDUCTORS TWICE.

GT 427 1 INSTALL AND REMOVE 6 RUBBER HOSE LINE INSULATORS A ND 3 INSULATOR HOODS.
2 REMOVE AND REINSTALL TIE WIRES.
3 REMOVE AND INSTALL PINS AND HIGH VOLTAGE INSULA- T ORS.
4 REPOSITION NO. 1/0 TO NO. 4/0 CONDUCTORS TWICE.
5 MATERIAL HANDLING.

GT 428 1 INSTALL ONE 3 SPOOL SECONDARY RACK.

GT 429 1 REMOVE ONE 3 SPOOL SECONDARY RACK.
2 REINSTALL ONE 3 SPOOL SECONDARY RACK.
3 MATERIAL HANDLING.

GT 430 1 INSTALL ONE FIVE SPOOL SECONDARY RACK.

GT 431 1 REMOVE ONE FIVE SPOOL SECONDARY RACK.
2 REINSTALL ONE FIVE SPOOL SECONDARY RACK.
3 MATERIAL HANDLING.

GT 433 1 ATTACH AND REMOVE PULLEY AND SLING TO TOP OF POLE OR UPPER CROSS ARM.
2 RAISE TRANSFORMER BANK TO INSTALLATION LEVEL USING PULLEY.
3 INSTALL OR REMOVE TRANSFORMER BANK, EXCLUDING WIRI NG.
4 MATERIAL HANDLING (TRANSFORMER).

GT 434 1 INSTALL OR REMOVE PAIRS OF CLEVIS INSULATORS FROM CROSS ARM.

GT 435 1 DISASSEMBLE/ASSEMBLE AND REMOVE/INSTALL JUMPER WIR E CONNECTIONS INCLUDING WIRE TIES TO INSULATORS.

GT 436 1 INSTALL OR REMOVE: A) COMMUNICATIONS WIRE OR; B) PIN OR;C) LOW VOLTAGE BRACKET.

GT 437 1 DRILL HOLES AND INSTALL POLE STEPS.
2 MATERIAL HANDLING.

GT 438 1 OPEN AND CLOSE SWITCHES.
2 REMOVE OLD AND REINSTALL NEW FUSES.
3 MATERIAL HANDLING.

GT 439 1 RAISE TRANSFORMER TO INSTALLATION POSITION USING P ULLEY.
2 INSTALL OR REMOVE ONE 3-15 KVA TRANSFORMER - EXCLU DING WIRING.
3 MATERIAL HANDLING.

GT 440 1 WALK TO GATE FROM TRUCK, UNLOCK GATE, OPEN, CLOSE, LOCK GATE AND RETURN TO TRUCK, TWICE, FOR THREE M
2 POSITION LINE TRUCK THROUGH OPEN GATE, TWICE, FOR THREE MAN CREW.

GT 441 1 RAISE HYDRAULIC DERRICK TO WORKING POSITION, AND L OWER TO TRAVEL POSITION (NO REPOSITIONS).
2 LOAD POLES ON TRUCK AND TRAILER AT YARD AND UNLOAD AT WORK SITE.

GT 442 1 WALK AVERAGE DISTANCE OF ONE SPAN AND RETURN, TWIC E, FOR ONE MAN (AVERAGE 155FT TO 165FT).
2 OPEN OR CLOSE FOUR SWITCHES, TWICE.

GT 443 1 ATTACH AND REMOVE PULLEY AND SLING TO POLE TOP BEL OW INTENDED CUT-OFF.
2 SAW OFF SECTION OF POLE USING HAND SAW.
3 ATTACH SAWED-OFF SECTION OF POLE TO REEVED HANDLE AND LOWER THROUGH OBSTRUCTED AREA.
4 INSTALL AND REMOVE TOP TWO SETS OF SIX RUBBER HOSE AND THREE RUBBER CAPS OVER ENERGIZED CONDUCTORS.

GT 444 1 SAW OFF PORTION OF POLE USING HAND SAW.

GT 445 1 INSTALL OR REMOVE SEPARATELY MOUNTED LIGHTING ARRE STER OR FUSED CUT-OUT.
2 MATERIAL HANDLING.

GT 449 1 TURN DISTRIBUTION POWER SWITCH OFF AND ON. INCLUDE S: TESTING CIRCUIT AFTER EACH SWITCHING
2 REMOVE AND INSTALL CIRCUIT BREAKER FRONT PANEL HEL D BY FOUR SCREWS USING A SCREWDRIVER
3 PRINT NECESSARY INFORMATION ON LOCKOUT TAG; INCLUD ES: OBTAINING PENCIL AND TAG
4 PLACE AND REMOVE LOCK AND TAG ON DISTRIBUTION PANE L CIRCUIT SWITCH

GT 450 1 MOUNT PANEL BOARD ON WOOD SURFACE - INCLUDES DISSE MBLY AND REASSEMBLY OF BRAKER UNITS AND COVER PLAT
2 CUT, SEPARATE, FORM AND ALIGN INCOMING SUPPLY LEAD (50-100 AMPS). 3 SUPPLY LEADS PER JOB.
3 INSTALL BOLT-TYPE CONNECTORS TO SUPPLY CONDUCTORS. 3 SUPPLY LEADS PER JOB.
4 CUT, SEPARATE, FORM, ALIGN AND CONNECT CIRCUIT WIR ES. 3 CIRCUIT WIRES PER CIRCUIT.
5 LOCATE AND TEST CIRCUITS.

GT 451 1 MOUNT PANEL BOARD ON CONCRETE - INCLUDES DISSASSEM BLY AND REASSEMBLY OF BREAKER UNITS AND COVER PLAT
2 CUT, SEPARATE, FORM AND ALIGN INCOMING SUPPLY LEAD (50-100 AMPS). 3 SUPPLY LEADS PER JOB.
3 INSTALL BOLT-TYPE CONNECTORS TO SUPPLY CONDUCTORS. 3 SUPPLY LEADS PER JOB.
4 CUT, SEPARATE, FORM, ALIGN AND CONNECT CIRCUIT WIR ES. 3 CIRCUIT WIRES PER CIRCUIT.
5 LOCATE AND TEST CIRCUITS.

GT 452 1 MOUNT PANEL BOARD ON STEAL COLUMN - INCLUDES DISSA SSEMBLY AND REASSEMBLY OF BREAKER UNITS AND COVER
2 CUT, SEPARATE, FORM AND ALIGN INCOMING SUPPLY LEAD 3 SUPPLY LEADS PER JOB.
3 INSTALL BOLT-TYPE CONNECTORS TO SUPPLY CONDUCTORS. 3 SUPPLY LEADS PER JOB.
4 CUT, SEPARATE, FORM ALIGN AND CONNECT CIRCUIT WIRE S. 3 CIRCUIT WIRES PER CIRCUIT.
5 LOCATE AND TEST CIRCUITS.

GT 453 1 MOUNT PANEL BOARD ON WOOD - INCLUDES DISASSEMBLY A
ND REASSEMBLY OF BREAKER UNITS AND COVER PLATES.
2 CUT, SEPARATE, FORM AND ALIGN INCOMING SUPPLY LEAD
(50-100 AMPS). 4 SUPPLY LEADS PER JOB.
3 INSTALL BOLT-TYPE CONNECTORS TO SUPPLY CONDUCTORS.
4 SUPPLY LEADS PER JOB.
4 CUT, SEPARATE, FORM, ALIGN AND CONNECT CIRCUIT WIR
ES. 3 CIRCUIT WIRES PER CIRCUIT.
5 LOCATE AND TEST CIRCUITS.

GT 454 1 MOUNT PANEL BOARD ON CONCRETE - INCLUDES DISSASSEM
BLY AND REASSEMBLY OF BREAKER UNITS AND COVER PLAT
2 CUT, SEPARATE, FORM AND ALIGN INCOMING SUPPLY LEAD
(50-100 AMPS). 4 SUPPLY LEADS PER JOB.
3 INSTALL BOLT-TYPE CONNECTORS TO SUPPLY CONDUCTORS.
4 SUPPLY LEADS PER JOB.
4 CUT, SEPARATE, FORM, ALIGN AND CONNECT CIRCUIT WIR
ES. 3 CIRCUIT WIRES PER CIRCUIT.
5 LOCATE AND TEST CIRCUITS.

GT 455 1 MOUNT PANEL BOARD ON STEEL COLUMN - INCLUDES DISSA
SSEMBLY AND REASSEMBLY OF BREAKER UNITS AND COVER
2 CUT, SEPARATE, FORM AND ALIGN INCOMING SUPPLY LEAD
(50-100 AMPS). 4 SUPPLY LEADS PER JOB.
3 INSTALL BOLT-TYPE CONNECTORS TO SUPPLY CONDUCTORS.
4 SUPPLY LEADS PER JOB.
4 CUT, SEPARATE, FORM, ALIGN AND CONNECT CIRCUIT WIR
ES. 3 CIRCUIT WIRES PER CIRCUIT.
5 LOCATE AND TEST CIRCUITS.

GT 456 1 MOUNT PANEL BOARD ON WOOD - INCLUDES DISASSEMBLY A
ND REASSEMBLY OF BREAKER UNITS AND COVER PLATES.
2 CUT, SEPARATE, FORM AND ALIGN INCOMING SUPPLY LEAD
(225 AMPS). 3 SUPPLY LEADS PER JOB.
3 INSTALL BOLT-TYPE CONNECTORS TO SUPPLY CONDUCTORS.
3 SUPPLY LEADS PER JOB.
4 CUT, SEPARATE, FORM, ALIGN AND CONNECT CIRCUIT WIR
ES. 3 CIRCUIT WIRES PER CIRCUIT.
5 LOCATE AND TEST CIRCUITS.

GT 457 1 MOUNT PANEL BOARD ON CONCRETE - INCLUDES DISSASSEM
BLY AND REASSEMBLY OF BREAKER UNITS AND COVER PLAT
2 CUT, SEPARATE, FORM AND ALIGN INCOMING SUPPLY LEAD
(225 AMPS). 3 SUPPLY LEADS PER JOB.
3 INSTALL BOLT-TYPE CONNECTORS TO SUPPLY CONDUCTORS.
3 SUPPLY LEADS PER JOB.
4 CUT, SEPARATE, FORM, ALIGN AND CONNECT CIRCUIT WIR
ES. 3 CIRCUIT WIRES PER CIRCUIT.
5 LOCATE AND TEST CIRCUITS.

GT 458 1 MOUNT PANEL BOARD ON STEEL COLUMN - INCLUDES DISSA
SSEMBLY AND REASSEMBLY OF BREAKER UNITS AND COVER
2 CUT, SEPARATE, FORM AND ALIGN INCOMING SUPPLY LEAD
(225 AMPS). 3 SUPPLY LEADS PER JOB.
3 INSTALL BOLT-TYPE CONNECTORS TO SUPPLY CONDUCTORS.
3 SUPPLY LEADS PER JOB.
4 CUT, SEPARATE, FORM, ALIGN AND CONNECT CIRCUIT WIR
ES. 3 CIRCUIT WIRES PER CIRCUIT.
5 LOCATE AND TEST CIRCUITS.

GT 459 1 MOUNT PANEL BOARD ON WOOD - INCLUDES DISASSEMBLY A
ND REASSEMBLY OF BREAKER UNITS AND COVER PLATES.
2 CUT, SEPARATE, FORM AND ALIGN INCOMING SUPPLY LEAD
(225 AMPS). 4 SUPPLY LEADS PER JOB.
3 INSTALL BOLT-TYPE CONNECTORS TO SUPPLY CONDUCTORS.
4 SUPPLY LEADS PER JOB.
4 CUT, SEPARATE, FORM, ALIGN AND CONNECT CIRCUIT WIR
ES. 3 CIRCUIT WIRES PER CIRCUIT.
5 LOCATE AND TEST CIRCUITS.

GT 460 1 MOUNT PANEL BOARD ON CONCRETE - INCLUDES DISSASSE
MBLY AND REASSEMBLY OF BREAKER UNITS AND COVER PLA
2 CUT, SEPARATE, FORM AND ALIGN INCOMING SUPPLY LEAD
(225 AMPS). 4 SUPPLY LEADS PER JOB.
3 INSTALL BOLT-TYPE CONNECTORS TO SUPPLY CONDUCTORS.
4 SUPPLY LEADS PER JOB.
4 CUT, SEPARATE, FORM, ALIGN AND CONNECT CIRCUIT WIR
ES. 3 CIRCUIT WIRES PER CIRCUIT.
5 LOCATE AND TEST CIRCUITS.

GT 461 1 MOUNT PANEL BOARD ON STEEL COLUMN - INCLUDES DISSA
SSEMBLY AND REASSEMBLY OF BREAKER UNITS AND COVER
2 CUT, SEPARATE, FORM AND ALIGN INCOMING SUPPLY LEAD
(225 AMPS). 4 SUPPLY LEADS PER JOB.
3 INSTALL BOLT-TYPE CONNECTORS TO SUPPLY CONDUCTORS.
4 SUPPLY LEADS PER JOB.
4 CUT, SEPARATE, FORM, ALIGN AND CONNECT CIRCUIT WIR
ES. 3 CIRCUIT WIRES PER CIRCUIT.
5 LOCATE AND TEST CIRCUITS.

GT 462 1 INSTALL LARGE POWER DISTRIBUTION SWITCH BOARD - IN
CLUDES UNCRATING, REMOVAL AND REINSTALLATION OF CO
2 CUT, FORM AND ALIGN INCOMING 3 WIRE SUPPLY LEADS.
2 PAIRS OF WIRE ENDS PER JOB.
3 CUT, FORM, AND ALIGN OUTGOING 2 WIRE UTILIZATION L
EADS. 6 WIRES PER JOB.
4 INSTALL CONDUCTORS TO BOLT-TYPE TERMINAL CONNECT-
ORS.
5 TEST 6 CIRCUITS.

GT 463 1 INSTALL LARGE POWER DISTRIBUTION SWITCH BOARD - IN
CLUDES UNCRATING, REMOVAL AND REINSTALLATION OF CO
2 CUT, FORM AND ALIGN INCOMING 4 WIRE SUPPLY LEADS.
2 PAIRS OF WIRE ENDS PER JOB.
3 CUT, FORM AND ALIGN OUTGOING 2 WIRE UTILIZATION LE
ADS. 6 WIRES PER JOB.
4 INSTALL CONDUCTORS TO BOLT-TYPE CONNECTORS.
5 TEST 6 CIRCUITS.

GT 467 1 MOUNT PANEL BOARD ON WOOD SURFACE - INCLUDES REMOV
AL FROM CARTON, REMOVAL AND REINSTALLATION OF PANE
2 CUT, SEPARATE, FORM AND ALIGN INCOMING SUPPLY LEAD
S. 5 SUPPLY LEADS PER JOB.
3 INSTALL BOLT TYPE CONNECTORS TO SUPPLY CONDUCTORS.
5 SUPPLY LEADS PER JOB.
4 CUT, SEPARATE, FORM, ALIGN AND CONNECT CIRCUIT WIR
ES. 3 WIRES IN CIRCUIT PER CIRCUIT.
5 INSTALL PLUG OR CARTRIDGE TYPE FUSES. 2 FUSES PER
CIRCUIT.
6 LOCATE AND TEST CIRCUITS.

GT 468 1 MOUNT FUSIBLE PLUG TYPE PANEL BOARD TO CONCRETE SU
RFACE - INCLUDES REMOVAL FROM CARTON, REMOVAL AND
2 CUT, SEPARATE, FORM AND ALIGN INCOMING SUPPLY LEAD
S. 3 SUPPLY LEADS PER JOB.
3 INSTALL BOLT TYPE CONNECTORS TO SUPPLY CONDUCTORS.
3 SUPPLY LEADS PER JOB.
4 CUT, SEPARATE, FORM, ALIGN AND CONNECT CIRCUIT WIR
ES. 3 WIRES IN CIRCUIT PER CIRCUIT.
5 INSTALL PLUG OR CARTRIDGE TYPE FUSES. 2 FUSES PER
CIRCUIT.
6 LOCATE AND TEST CIRCUITS.

GT 469 1 MOUNT FUSIBLE PLUG TYPE PANEL BOARD TO STEEL COLUM
N - INCLUDES REMOVAL FROM CARTON, REMOVAL AND REIN
2 CUT, SEPARATE, FORM AND ALIGN INCOMING SUPPLY LEAD
S. 3 SUPPLY LEADS PER JOB.
3 INSTALL BOLT TYPE CONNECTORS TO SUPPLY CONDUCTORS.
3 SUPPLY LEADS PER JOB.
4 CUT, SEPARATE, FORM, ALIGN AND CONNECT CIRCUIT WIR
ES. 3 WIRES IN CIRCUIT PER CIRCUIT.
5 INSTALL PLUG OR CARTRIDGE TYPE FUSES. 2 FUSES PER
CIRCUIT.
6 LOCATE AND TEST CIRCUITS.

GT 470 1 MOUNT PANEL BOARD ON WOOD SURFACE - INCLUDES REMOV
AL FROM CARTON, REMOVAL AND REINSTALLATION OF PANE
2 CUT, SEPARATE, FORM AND ALIGN INCOMING SUPPLY LEAD
(50-100 AMP). 4 SUPPLY LEADS PER JOB.
3 INSTALL BOLT TYPE CONNECTORS TO SUPPLY CONDUCTORS.
4 SUPPLY LEADS PER JOB.
4 CUT, SEPARATE, FORM, ALIGN AND CONNECT CIRCUIT WIR
ES. 3 WIRES IN CIRCUIT PER CIRCUIT.
5 INSTALL PLUG OR CARTRIDGE TYPE FUSES. 2 FUSES PER
CIRCUIT.
6 LOCATE AND TEST CIRCUITS.

GT 471 1 MOUNT FUSIBLE PLUG TYPE PANEL BOARD TO CONCRETE SU
RFACE - INCLUDES REMOVAL FROM CARTON, REMOVAL AND
2 CUT, SEPARATE, FORM AND ALIGN INCOMING SUPPLY LEAD
(50-100 AMP). 4 SUPPLY LEADS PER JOB.
3 INSTALL BOLT TYPE CONNECTORS TO SUPPLY CONDUCTORS.
4 SUPPLY LEADS PER JOB.
4 CUT, SEPARATE, FORM, ALIGN AND CONNECT CIRCUIT WIR
ES. 3 WIRES IN CIRCUIT PER CIRCUIT.
5 INSTALL PLUG OR CARTRIDGE TYPE FUSES. 2 FUSES PER
CIRCUIT.
6 LOCATE AND TEST CIRCUITS.

GT 472 1 MOUNT FUSIBLE PLUG TYPE PANEL BOARD TO STEEL COLUM
N - INCLUDES REMOVAL FROM CARTON, REMOVAL AND REIN
2 CUT, SEPARATE, FORM AND ALIGN INCOMING SUPPLY LEAD
(50-100 AMP). 4 SUPPLY LEADS PER JOB.
3 INSTALL BOLT TYPE CONNECTORS TO SUPPLY CONDUCTORS.
4 SUPPLY LEADS PER JOB.
4 CUT, SEPARATE, FORM, ALIGN AND CONNECT CIRCUIT WIR
ES. 3 WIRES IN CIRCUIT PER CIRCUIT.
5 INSTALL PLUG OR CARTRIDGE TYPE FUSES. 2 FUSES PER
CIRCUIT.
6 LOCATE AND TEST CIRCUITS.

GT 473 1 MOUNT PANEL BOARD ON WOOD SURFACE - INCLUDES REMOV
AL FROM CARTON, REMOVAL AND REINSTALLATION OF PANE
2 CUT, SEPARATE, FORM AND ALIGN INCOMING SUPPLY LEAD
(225 AMP). 3 SUPPLY LEADS PER JOB.
3 INSTALL BOLT TYPE CONNECTORS TO SUPPLY CONDUCTORS.
3 SUPPLY LEADS PER JOB.
4 CUT, SEPARATE, FORM, ALIGN AND CONNECT CIRCUIT WIR
ES. 3 WIRES IN CIRCUIT PER CIRCUIT.
5 INSTALL PLUG OR CARTRIDGE TYPE FUSES. 2 FUSES PER
CIRCUIT.
6 LOCATE AND TEST CIRCUITS.

GT 474 1 MOUNT FUSIBLE PLUG TYPE PANEL BOARD TO CONCRETE SU
RFACE - INCLUDES REMOVAL FROM CARTON, REMOVAL AND
2 CUT, SEPARATE, FORM AND ALIGN INCOMING SUPPLY LEAD
(225 AMP). 3 SUPPLY LEADS PER JOB.
3 INSTALL BOLT TYPE CONNECTORS TO SUPPLY CONDUCTORS.
3 SUPPLY LEADS PER JOB.
4 CUT, SEPARATE, FORM, ALIGN AND CONNECT CIRCUIT WIR
ES. 3 WIRES IN CIRCUIT PER CIRCUIT.
5 INSTALL PLUG OR CARTRIDGE TYPE FUSES. 2 FUSES PER
CIRCUIT.
6 LOCATE AND TEST CIRCUITS.

GT 475 1 MOUNT FUSIBLE PLUG TYPE PANEL BOARD TO STEEL COLUM
N - INCLUDES REMOVAL FROM CARTON, REMOVAL AND REIN
2 CUT, SEPARATE, FORM AND ALIGN INCOMING SUPPLY LEAD
(225 AMP). 3 SUPPLY LEADS PER JOB.
3 INSTALL BOLT TYPE CONNECTORS TO SUPPLY CONDUCTORS.
3 SUPPLY LEADS PER JOB.
4 CUT, SEPARATE, FORM, ALIGN AND CONNECT CIRCUIT WIR
ES. 3 WIRES IN CIRCUIT PER CIRCUIT.
5 INSTALL PLUG OR CARTRIDGE TYPE FUSES. 2 FUSES PER
CIRCUIT.
6 LOCATE AND TEST CIRCUITS.

GT 476 1 MOUNT PANEL BOARD ON WOOD SURFACE - INCLUDES REMOV
AL FROM CARTON, REMOVAL AND REINSTALLATION OF PANE
2 CUT, SEPARATE, FORM AND ALIGN INCOMING SUPPLY LEAD
S. 4 SUPPLY LEADS PER JOB.
3 INSTALL BOLT TYPE CONNECTORS TO SUPPLY CONDUCTORS.
4 SUPPLY LEADS PER JOB.
4 CUT, SEPARATE, FORM, ALIGN AND CONNECT CIRCUIT WIR
ES. 3 WIRES IN CIRCUIT PER CIRCUIT.
5 INSTALL PLUG OR CARTRIDGE TYPE FUSES. 2 FUSES PER
CIRCUIT.
6 LOCATE AND TEST CIRCUITS.

GT 477 1 MOUNT FUSIBLE PLUG TYPE PANEL BOARD TO CONCRETE SU
RFACE - INCLUDES REMOVAL FROM CARTON, REMOVAL AND
2 CUT, SEPARATE, FORM AND ALIGN INCOMING SUPPLY LEAD
S. 4 SUPPLY LEADS PER JOB.
3 INSTALL BOLT TYPE CONNECTORS TO SUPPLY CONDUCTORS.
4 SUPPLY LEADS PER JOB.
4 CUT, SEPARATE, FORM, ALIGN AND CONNECT WIRES. 3 WI
RES IN CIRCUIT PER CIRCUIT.
5 INSTALL PLUG OR CARTRIDGE TYPE FUSES. 2 FUSES PER
CIRCUIT.
6 LOCATE AND TEST CIRCUITS.

GT 478 1 MOUNT FUSIBLE PLUG TYPE PANEL BOARD TO STEEL COLUM
N - INCLUDES REMOVAL FROM CARTON, REMOVAL AND REIN
2 CUT, SEPARATE, FORM AND ALIGN INCOMING SUPPLY LEAD
S. 4 SUPPLY LEADS PER JOB.
3 INSTALL BOLT TYPE CONNECTORS TO SUPPLY CONDUCTORS.
4 SUPPLY LEADS PER JOB.
4 CUT, SEPARATE, FORM, ALIGN AND CONNECT CIRCUIT WIR
ES. 3 WIRES IN CIRCUIT PER CIRCUIT.
5 INSTALL PLUG OR CARTRIDGE TYPE FUSES. 2 FUSES PER
CIRCUIT.
6 LOCATE AND TEST CIRCUITS.

GT 485 1 REMOVE COVER (SIX SCREWS)
2 DISCONNECT LEAD CONDUCTORS FROM SCREW TERMINALS.
3 REMOVE LINE CONDUCTORS FROM BOLT-TYPE TERMINAL CON
NECTORS. 3 SUPPLY LEADS PER PANEL.
4 REMOVE LOCK NUTS FROM CONDUIT ENDS IN CASING.
5 REMOVE BUSHING FROM CONDUIT END.
6 LOOSEN NUTS ON CONDUIT AT CASING.
7 LOOSEN NUTS ON CONDUIT AT CASING.
8 STRAIGHTEN WIRES (LINE SIDE).
9 STRAIGHTEN WIRES, 50-100 AMPS (LOAD SIDE). 3 SUPPL
Y LEADS PER PANEL.
10 REMOVE 40 POUND OR HEAVIER PANEL BOARD INTACT FROM
CONCRETE OR WOOD SURFACE.

GT 486 1 REMOVE COVER (SIX SCREWS).
2 DISCONNECT LOAD CONDUCTORS FROM SCREW TERMINALS.
3 REMOVE LINE CONDUCTORS FROM BOLT-TYPE TERMINAL CON NECTORS. 3 SUPPLY LEADS PER PANEL.
4 REMOVE LOCK NUTS FROM CONDUIT ENDS IN CASING.
5 REMOVE BUSHING FROM CONDUIT END.
6 LOOSEN NUTS ON CONDUIT AT CASING.
7 LOOSEN NUTS ON CONDUIT AT CASING.
8 STRAIGHTEN WIRES (LINE SIDE).
9 STRAIGHTEN WIRES, 50-100 AMPS (LOAD SIDE). 3 SUPPL Y LEADS PER PANEL.
10 REMOVE 40 POUND OR HEAVIER PANEL BOARD INTACT FROM STEEL COLUMN.

GT 487 1 REMOVE COVER (SIX SCREWS).
2 DISCONNECT LOAD CONDUCTORS FROM SCREW TERMINALS.
3 REMOVE LINE CONDUCTORS FROM BOLT-TYPE TERMINAL CON NECTORS. 4 SUPPLY LEADS PER PANEL.
4 REMOVE LOCK NUTS FROM CONDUIT ENDS IN CASING.
5 REMOVE BUSHING FROM CONDUIT ENDS.
6 LOOSEN NUTS ON CONDUIT AT CASING.
7 LOOSEN NUTS ON CONDUIT AT CASING.
8 STRAIGHTEN WIRES (LINE SIDE).
9 STRAIGHTEN WIRES, 50-100 AMPS (LOAD SIDE). 4 SUPPL Y LEADS PER PANEL.
10 REMOVE 40 POUND OF HEAVIER PANEL BOARD INTACT FROM CONCRETE OR WOOD SURFACE.

GT 488 1 REMOVE COVER (SIX SCREWS).
2 DISCONNECT LOAD CONDUCTORS FROM SCREW TERMINALS.
3 REMOVE LINE CONDUCTORS FROM BOLT-TYPE TERMINAL CON NECTORS. 4 SUPPLY LEADS PER PANEL.
4 REMOVE LOCK NUTS FROM CONDUIT ENDS IN CASING.
5 REMOVE BUSHING FROM CONDUIT END.
6 LOOSEN NUTS ON CONDUIT AT CASING.
7 LOOSEN NUTS ON CONDUIT AT CASING.
8 STRAIGHTEN WIRES (LINE SIDE).
9 STRAIGHTEN WIRES 50-100 AMPS (LOAD SIDE). 4 SUPPLY LEADS PER PANEL.
10 REMOVE 40 POUND OR HEAVIER PANEL BOARD INTACT FROM STEEL COLUMN.

GT 489 1 REMOVE COVER (SIX SCREWS).
2 DISCONNECT LOAD CONDUCTORS FROM SCREW TERMINALS.
3 REMOVE LINE CONDUCTORS FROM BOLT-TYPE TERMINAL CON NECTORS. 3 SUPPPLY LEADS PER PANEL.
4 REMOVE LOCK NUTS FROM CONDUIT ENDS IN CASING.
5 REMOVE BUSHING FROM CONDUIT END.
6 LOOSEN NUTS ON CONDUIT AT CASING.
7 LOOSEN NUTS ON CONDUIT AT CASING.
8 STRAIGHTEN WIRES (LINE SIDE).
9 STRAIGHTEN WIRES 225 AMPS (LOAD SIDE). 3 SUPPLY LE ADS PER PANEL.
10 REMOVE 40 POUND OR HEAVIER PANEL BOARD INTACT FROM CONCRETE OR WOOD SURFACE.

GT 490 1 REMOVE COVER (SIX SCREWS).
2 DISCONNECT LOAD CONDUCTORS FROM SCREW TERMINALS.
3 REMOVE LINE CONDUCTORS FROM BOLT-TYPE TERMINAL CON NECTORS. 3 SUPPLY LEADS PER PANEL.
4 REMOVE LOCK NUTS FROM CONDUIT ENDS IN CASING.
5 REMOVE BUSHING FROM CONDUIT END.
6 LOOSEN NUTS ON CONDUIT AT CASING.
7 LOOSEN NUTS ON CONDUIT AT CASING.
8 STRAIGHTEN WIRES (LINE SIDE).
9 STRAIGHTEN WIRES 225 AMPS (LOAD SIDE). 3 SUPPLY LE ADS PER PANEL.
10 REMOVE 40 POUND OR HEAVIER PANEL BOARD INTACT FROM STEEL COLUMN.

GT 491 1 REMOVE COVER (SIX SCREWS).
2 DISCONNECT LOAD CONDUCTORS FROM SCREW TERMINALS.
3 REMOVE LINE CONDUCTORS FROM BOLT-TYPE TERMINAL CON NECTORS. 4 SUPPLY LEADS PER PANEL.
4 REMOVE LOCK NUTS FROM CONDUIT ENDS IN CASING.
5 REMOVE BUSHING FROM CONDUIT ENDS.
6 LOOSEN NUTS ON CONDUIT AT CASING.
7 LOOSEN NUTS ON CONDUIT AT CASING.
8 STRAIGHTEN WIRES (LINE SIDE).
9 STRAIGHTEN WIRES, 225 AMPS (LOAD SIDE). 4 SUPPLY L EADS PER PANEL.
10 REMOVE 40 POUND OR HEAVIER PANEL BOARD INTACT FROM CONCRETE OR WOOD SURFACE.

GT 492 1 REMOVE COVER (SIX SCREWS).
2 DISCONNECT LOAD CONDUCTORS FROM SCREW TERMINALS.
3 REMOVE LINE CONDUCTORS FROM BOLT-TYPE TERMINAL CON NECTORS. 4 SUPPLY LEADS PER PANEL.
4 REMOVE LOCKS NUTS FROM CONDUIT ENDS IN CASING.
5 REMOVE BUSHING FROM CONDUIT END.
6 LOOSEN NUTS ON CONDUIT AT CASING.
7 LOOSEN NUTS ON CONDUIT AT CASING.
8 STRAIGHTEN WIRES (LINE SIDE).
9 STRAIGHTEN WIRES, 225 AMPS (LOAD SIDE). 4 SUPPLY L EADS PER PANEL.
10 REMOVE 40 POUND OR HEAVIER PANEL BOARD INTACT FROM STEEL COLUMN.

GT 495 1 REMOVE PANEL BOARD COVER.
2 REMOVE CIRCUIT BREAKER FROM CARTON AND UNWRAP.
3 INSTALL UNIT TO CASING.
4 CUT, FORM, ALIGN AND CONNECT CIRCUIT WIRES. 3 WIRE S IN BREAKER CIRCUIT PER BREAKER.
5 TEST CIRCUIT.
6 INSTALL PANEL BOARD COVER.

GT 496 1 REMOVE PANEL BOARD COVER.
2 REMOVE FUSIBLE SWITCHBLOCK FROM CARTON AND UNWRAP.
3 INSTALL UNIT TO CASING.
4 CUT, FORM, ALIGN AND CONNECT THREE CIRCUIT WIRES.
3 CIRCUIT WIRES PER CIRCUIT.
5 INSTALL TWO PLUG TYPE FUSES.
6 TEST CIRCUIT.
7 INSTALL PANEL BOARD COVER.

GT 500 1 PMI OF EMERGENCY GENERATORS.

GT 501 1 TEST BONDING OF GROUNDING SYSTEM AT EIGHT TERMINAL
POINTS ON STORAGE RACKS IN HIGH EXPLOSIVE MAGA- Z

GT 502 1 TEST BONDING OF GROUNDING SYSTEM AT TEN TERMINAL P
OINTS ON STORAGE RACKS IN SMOKELESS POWDER MAGA- Z

GT 503 1 INSTALL ONE ADDITIONAL JUMPER WIRE BETWEEN ANY TWO
EXTERNAL APPENDAGES AND TEST RESISTANCE OF SYSTEM

GT 504 1 INSTALL ONE ADDITIONAL GROUND ROD AND TEST RESIST-
ANCE OF SYSTEM OUTSIDE SMOKELESS POWDER MAGAZINE.

GT 505 1 REPAIR ONE STORAGE GROUNDING TERMINAL AND TEST BON
DING OF CONNECTION IN HIGH EXPLOSIVE MAGAZINE.

GT 506 1 PMI OF LARGE ENERGIZED TRANSFORMERS IN BUILDINGS A
ND/OR SURFACE MOUNTED OUTSIDE.

GT 507 1 PMI OF SMALL ENERGIZED TRANSFORMERS IN BUILDINGS A
ND/OR SURFACE MOUNTED OUTSIDE.

GT 515 1 MOUNT CIRCUIT BREAKER CASING ON WOOD SURFACE - INC
LUDES REMOVAL FROM CARDBOARD CARTON, DRILLING AND
2 REMOVE BREAKER UNIT FROM CARTON AND UNPACK.
3 INSTALL BREAKER UNIT TO CASING.
4 CUT, FORM, ALIGN AND CONNECT CIRCUIT WIRES (LOAD A
ND LINE SIDE ENDS). 2 CIRCUIT WIRES PER CONNECTION
5 CHECK OPERATION OF BREAKER.

GT 516 1 MOUNT CIRCUIT BREAKER CASING ON WOOD SURFACE - INC
LUDES REMOVAL FROM CARDBOARD CARTON, DRILLING AND
2 REMOVE BREAKER UNIT FROM CARTON AND UNPACK.
3 INSTALL BREAKER UNIT TO CASING.
4 CUT, SEPARATE, FORM AND ALIGN NO. 6 CIRCUIT WIRES
(LOAD AND LINE SIDE ENDS) WITH SIX 90 DEGREE BENDS
5 INSTALL SOLDERLESS SCREW TYPE LUG TO WIRE END AND
TO TERMINAL, INCLUDES SKINNING WIRE END. WIRE = TO
6 CHECK OPERATION OF BREAKER.

GT 517 1 MOUNT CIRCUIT BREAKER CASING ON WOOD SURFACE - INC
LUDES REMOVAL FROM CARDBOARD CARTON, DRILLING AND
2 REMOVE BREAKER UNIT FROM CARTON AND UNPACK.
3 INSTALL BREAKER UNIT TO CASING.
4 CUT, SEPARATE, FORM AND ALIGN N0. 4 TO 2/0 CIRCUIT
WIRES (LOAD AND LINE SIDE) WITH SIX 90 DEGREE BEN
5 INSTALL SOLDERLESS SCREW TYPE LUG TO WIRE END AND
TO TERMINAL, INCLUDES SKINNING WIRE END. WIRE = NO
6 CHECK OPERATION OF BREAKER.

GT 518 1 MOUNT CIRCUIT BREAKER ON NARROW STEEL COLUMN - INC
LUDES REMOVAL FROM CARDBOARD CARTON, FABRI- CATING
2 REMOVE BREAKER UNIT FROM CARTON AND UNPACK.
3 INSTALL BREAKER UNIT TO CASING.
4 CUT, FORM, ALIGN AND CONNECT CIRCUIT WIRES (LOAD A
ND LINE SIDE ENDS). 2 CIRCUIT WIRES PER CONNECTION
5 CHECK OPERATION OF BREAKER.

GT 519 1 MOUNT CIRCUIT BREAKER ON NARROW STEEL COLUMN - INC
LUDES REMOVAL FROM CARDBOARD CARTON, FABRI- CATING
2 REMOVE BREAKER UNIT FROM CARTON AND UNPACK.
3 INSTALL BREAKER UNIT TO CASING.
4 CUT, SEPARATE, FORM AND ALIGN NO. 6 CIRCUIT WIRES
(LOAD AND LINE SIDE ENDS) WITH SIX 90 DEGREES BEND
5 INSTALL SOLDERLESS SCREW TYPE LUG TO WIRE ENDS AND
TO TERMINAL, INCLUDES SKINNING WIRE END. WIRE = T
6 CHECK OPERATION OF BREAKER.

GT 520 1 MOUNT CIRCUIT BREAKER ON NARROW STEEL COLUMN - INC
LUDES REMOVAL FROM CARDBOARD CARTON, FABRI- CATING
2 REMOVE BREAKER UNITS FROM CARTON AND UNPACK.
3 INSTALL BREAKER UNIT TO CASING.
4 CUT, SEPARATE, FORM, AND ALIGN N NO. 4 TO 2/0 CIRC
UIT WIRES (LOAD AND LINE SIDE) WITH SIX 90 DEGREES
5 INSTALL SOLDERLESS SCREW TYPE LUG TO WIRE END AND
TO TERMINAL, INCLUDES SKINNING WIRE END. WIRE = NO
6 CHECK OPERATION OF BREAKER.

GT 521 1 MOUNT CIRCUIT BREAKER ON CONCRETE SURFACE - INCLUD
ES REMOVAL FROM CARDBOARD CARTON, DRILLING FOUR HO
2 REMOVE BREAKER UNIT FROM CARTON AND UNPACK.
3 INSTALL BREAKER UNIT TO CASING.
4 CUT, FORM ALIGN AND CONNECT CIRCUIT WIRES (LOAD AN
D LINE SIDE ENDS). 2 CIRCUIT WIRES PER CONNECTION.
5 CHECK OPERATION OF BREAKER.

GT 522 1 MOUNT CIRCUIT BREAKER ON CONCRETE SURFACE - INCLUD
ES REMOVAL FROM CARDBOARD CARTON, DRILLING FOUR HO
2 REMOVE BREAKER UNIT FROM CARTON AND UNPACK.
3 INSTALL BREAKER UNIT TO CASING.
4 CUT, SEPARATE, FORM AND ALIGN NO. 6 CIRCUIT WIRES
(LOAD AND LINE SIDE ENDS)WITH SIX 90 DEGREE BENDS
5 INSTALL SOLDERLESS SCREW TYPE LUG TO WIRE END AND
TO TERMINAL, INCLUDES SKINNING WIRE END.
6 CHECK OPERATION OF BREAKER.

GT 523 1 MOUNT CIRCUIT BREAKER ON CONCRETE SURFACE - INCLUD
ES REMOVAL FROM CARDBOARD CARTON, DRILLING FOUR HO
2 REMOVE BREAKER UNIT FROM CARTON AND UNPACK.
3 INSTALL BREAKER UNIT TO CASING.
4 CUT, SEPARATE, FORM AND ALIGN NO. 4 TO 2/0 CIRCUIT
WIRES (LOAD AND LINE SIDE) WITH SIX 90 DEGREE END
5 INSTALL SOLDERLESS SCREW TYPE LUG TO WIRE END AND
TO TERMINAL, INCLUDES SKINNING WIRE END.
6 CHECK OPERATION OF BREAKER.

GT 524 1 MOUNT CIRCUIT BREAKER CASING ON WOOD SURFACE - INC
LUDES REMOVAL FROM CARDBOARD CARTON, DRILLING AND
2 REMOVE BREAKER UNIT FROM CARTON AND UNPACK.
3 INSTALL BREAKER UNIT TO CASING.
4 CUT, FORM, ALIGN AND CONNECT CIRCUIT WIRES (LOAD A
ND LINE SIDE ENDS).
5 CHECK OPERATION OF BREAKER.
6 INSTALL GASKET (FOR EXPLOSION-PROOF FIXTURE ONLY;
DO NOT INCLUDE FOR WATER OR DUST-TIGHT FIXTURE).
7 POSITION COVER PLATE.
8 INSTALL BOLTS.

GT 525 1 MOUNT CIRCUIT BREAKER CASING ON WOOD SURFACE - INC
LUDES REMOVAL FROM CARDBOARD CARTON, DRILLING AND
2 REMOVE BREAKER UNIT FROM CARTON AND UNPACK.
3 INSTALL BREAKER UNIT TO CASING.
4 CUT, SEPARATE, FORM AND ALIGN NO. 6 CIRCUIT WIRES
(LOAD AND LINE SIDE ENDS)WITH SIX 90 DEGREE BENDS
5 INSTALL SOLDERLESS SCREW TYPE LUG TO WIRE END AND
TO TERMINAL - INCLUDES SKINNING WIRE END.
6 CHECK OPERATION OF BREAKER.
7 INSTALL GASKET (FOR EXPLOSION-PROOF FIXTURE ONLY;
DO NOT INCLUDE FOR WATER OR DUST-TIGHT FIXTURE).
8 POSITION COVER PLATE.
9 INSTALL BOLTS.

GT 526 1 MOUNT CIRCUIT BREAKER CASING ON WOOD SURFACE - INC
LUDES REMOVAL FROM CARDBOARD CARTON, DRILLING AND
2 REMOVE BREAKER UNIT FROM CARTON AND UNPACK.
3 INSTALL BREAKER UNIT TO CASING.
4 CUT, SEPARATE, FORM AND ALIGN NO. 4 TO 2/0 CIRCUIT
WIRES (LOAD AND LINE SIDE) WITH SIX 90 DEGREE BEN
5 INSTALL SOLDERLESS SCREW TYPE LUG TO WIRE END AND
TERMINAL - INCLUDES SKINNING WIRE END.
6 CHECK OPERATION OF BREAKER.
7 INSTALL GASKET (FOR EXPLOSION-PROOF FIXTURE ONLY;
DO NOT INCLUDE FOR WATER OR DUST-TIGHT FIXTURE).
8 POSITION COVER PLATE.
9 INSTALL BOLTS.

GT 527 1 MOUNT CIRCUIT BREAKER CASING ON NARROW STEEL COLUM
N - INCLUDES REMOVAL FROM CARDBOARD CARTON FABRICA
2 REMOVE BREAKER UNIT FROM CARTON AND UNPACK.
3 INSTALL BREAKER UNIT TO CASING.
4 CUT, FORM, ALIGN AND CONNECT CIRCUIT WIRES (LOAD A
ND LINE SIDE ENDS).
5 CHECK OPERATION OF BREAKER.
6 INSTALL GASKET (FOR EXPLOSION-PROOF FIXTURE ONLY;
DO NOT INCLUDE FOR WATER OR DUST-TIGHT FIXTURE).
7 POSITION COVER PLATE.
8 INSTALL BOLTS.

GT 528 1 MOUNT CIRCUIT BREAKER CASING ON NARROW STEEL COLUM
N - INCLUDES REMOVAL FROM CARDBOARD CARTON, FABRIC
2 REMOVE BREAKER UNIT FROM CARTON AND UNPACK.
3 INSTALL BREAKER UNIT TO CASING.
4 CUT, SEPARATE, FORM AND ALIGN NO. 6 CIRCUIT WIRES
(LOAD AND LINE SIDE ENDS)WITH SIX 90 DEGREE BENDS
5 INSTALL SOLDERLESS SCREW TYPE LUG TO WIRE END AND
TO TERMINAL - INCLUDES SKINNING WIRE END.
6 CHECK OPERATION OF BREAKER.
7 INSTALL GASKET (FOR EXPLOSION-PROOF FIXTURE ONLY;
DO NOT INCLUDE FOR WATER OR DUST-TIGHT FIXTURE).
8 POSITION COVER PLATE.
9 INSTALL BOLTS.

GT 529 1 MOUNT CIRCUIT BREAKER CASING ON NARROW STEEL COLUM
N - INCLUDES REMOVAL FROM CARDBOARD CARTON, FABRIC
2 REMOVE BREAKER UNIT FROM CARTON AND UNPACK.
3 INSTALL BREAKER UNIT TO CASING.
4 CUT, SEPARATE, FORM AND ALIGN NO. 4 TO 2/0 CIRCUIT
WIRES (LOAD AND LINE SIDE)WITH 6- 90 DEGREE BENDS
5 INSTALL SOLDERLESS SCREW TYPE LUG TO WIRE END AND
TO TERMINAL - INCLUDES SKINNING WIRE END.
6 CHECK OPERATION OF BREAKER.
7 INSTALL GASKET (FOR EXPLOSION-PROOF FIXTURE ONLY;
DO NOT INCLUDE FOR WATER OR DUST-TIGHT FIXTURE).
8 POSITION COVER PLATE.
9 INSTALL BOLTS.

GT 530 1 MOUNT CIRCUIT BREAKER CASING ON CONCRETE SURFACE -
INCLUDES REMOVAL FROM CARDBOARD CARTON, DRILLING
2 REMOVE BREAKER UNIT FROM CARTON AND UNPACK.
3 INSTALL BREAKER UNIT TO CASING.
4 CUT, FORM, ALIGN AND CONNECT CIRCUIT WIRES (LOAD A
ND LINE SIDE ENDS).
5 CHECK OPERATION OF BREAKER.
6 INSTALL GASKET (FOR EXPLOSION-PROOF FIXTURE ONLY;
DO NOT INCLUDE FOR WATER OR DUST-TIGHT FIXTURE).
7 POSITION COVER PLATE.
8 INSTALL BOLTS.

GT 531 1 MOUNT CIRCUIT BREAKER ON CONCRETE SURFACE - INCLUD
ES REMOVAL FROM CARDBOARD CARTON, DRILLING FOUR HO
2 REMOVE BREAKER UNIT FROM CARTON AND UNPACK.
3 INSTALL BREAKER UNIT TO CASING.
4 CUT, SEPARATE, FORM AND ALIGN NO. 6 CIRCUIT WIRES
(LOAD AND LINE SIDE ENDS)WITH SIX 90 DEGREE BENDS
5 INSTALL SOLDERLESS SCREW TYPE LUG TO WIRE END AND
TO TERMINAL, INCLUDES SKINNING WIRE END.
6 CHECK OPERATION OF BREAKER.
7 INSTALL GASKET (FOR EXPLOSION-PROOF FIXTURE ONLY;
DO NOT INCLUDE FOR WATER OR DUST-TIGHT FIXTURE).
8 POSITION COVER PLATE.
9 INSTALL BOLTS.

GT 532 1 MOUNT CIRCUIT BREAKER ON CONCRETE SURFACE - INCLUD
ES REMOVAL FROM CARDBOARD CARTON, DRILLING FOUR HO
2 REMOVE BREAKER UNIT FROM CARTON AND UNPACK.
3 INSTALL BREAKER UNIT TO CASING.
4 CUT, SEPARATE, FORM AND ALIGN NO. 4 TO 2/0 CIRCUIT
WIRES (LOAD AND LINE SIDE)WITH 6- 90 DEGREE BENDS
5 INSTALL SOLDERLESS SCREW TYPE LUG TO WIRE END AND
TO TERMINAL, INCLUDES SKINNING WIRE END.
6 CHECK OPERATION OF BREAKER.
7 INSTALL GASKET (FOR EXPLOSION-PROOF FIXTURE ONLY;
DO NOT INCLUDE FOR WATER OF DUST-TIGHT FIXTURE).
8 POSITION COVER PLATE.
9 INSTALL BOLTS.

GT 535 1 MOUNT SAFETY SWITCH ON WOOD SURFACE - INCLUDES REM
OVAL FROM CARDBOARD CARTON, DRILLING AND SETTING F
2 CUT, FORM AND ALIGN CIRCUIT WIRES (LOAD AND LINE S
IDE ENDS).
3 CHECK OPERATION OF SWITCH (SINGLE OR DOUBLE THROW)

GT 536 1 MOUNT SAFETY SWITCH ON WOOD SURFACE - INCLUDES REM
OVAL FROM CARDBOARD CARTON, DRILLING AND SETTING F
2 CUT, SEPARATE, FORM AND ALIGN NO. 6 CIRCUIT WIRES
(LOAD AND LINE SIDE ENDS)WITH SIX 90 DEGREE BENDS
3 INSTALL SOLDERLESS, SCREW TYPE LUG TO WIRE END AND
TO TERMINAL - INCLUDES SKINNING WIRE END.
4 CHECK OPERATION OF SWITCH (SINGLE OR DOUBLE THROW)

GT 537 1 MOUNT SAFETY SWITCH ON WOOD SURFACE - INCLUDES REM
OVAL FROM CARDBOARD CARTON, DRILLING AND SETTING F
2 CUT, SEPARATE, FORM AND ALIGN NO. 4 TO 2/0 CIRCUIT
WIRES (LOAD AND LINE SIDE ENDS)WITH SIX 90 DEGREE
3 INSTALL SOLDERLESS, SCREW TYPE LUG TO WIRE END AND
TO TERMINAL, INCLUDES SKINNING WIRE END.
4 CHECK OPERATION OF SWITCH (SINGLE OR DOUBLE THROW)

GT 538 1 MOUNT SAFETY SWITCH ON NARROW STEEL COLUMN - INCLU
DES REMOVAL FROM CARDBOARD CARTON, FABRI- CATING I
2 CUT, FORM AND ALIGN NO. 8 OR SMALLER CIRCUIT WIRES
(LOAD AND LINE SIDE ENDS).
3 CHECK OPERATION OF SWITCH (SINGLE OR DOUBLE THROW)

GT 539 1 MOUNT SAFETY SWITCH ON NARROW STEEEL COLUMN - INCL
UDES REMOVAL FROM CARDBOARD CARTON, FABRI- CATING
2 CUT, SEPARATE, FORM AND ALIGN NO. 6 CIRCUIT WIRES
(LOAD AND LINE SIDE ENDS)WITH SIX 90 DEGREE BENDS
3 INSTALL SOLDERLESS, SCREW TYPE LUG TO WIRE END AND
TO TERMINAL, INCLUDES SKINNING WIRE ENDS.
4 CHECK OPERATION OF SWITCH (SINGLE OR DOUBLE THROW)

GT 541 1 MOUNT SAFETY SWITCH ON CONCRETE SURFACE - INCLUDES
REMOVAL FROM CARDBOARD CARTON,DRILLING FOUR HOLES
2 CUT, FORM AND ALIGN NO. 8 OR SMALLER CIRCUIT WIRES
(LOAD AND LINE SIDE ENDS).
3 CHECK OPERATION OF SWITCH (SINGLE OR DOUBLE THROW)

GT 542 1 MOUNT SAFETY SWITCH ON CONCRETE SURFACE - INCLUDES
REMOVAL FROM CARDBOARD CARTON,DRILLING FOUR HOLES
2 CUT, SEPARATE, FORM AND ALIGN NO. 6 CIRCUIT WIRES
(LOAD AND LINE SIDE ENDS)WITH SIX 90 DEGREE BENDS
3 INSTALL SOLDERLESS, SCREW TYPE LUG TO WIRE END AND
TO TERMINAL, INCLUDES SKINNING WIRE END.
4 CHECK OPERATION OF SWITCH (SINGLE OR DOUBLE THROW)

GT 544 1 MOUNT SAFETY SWITCH ON WOOD SURFACE - INCLUDES REM
OVAL FROM CARDBOARD CARTON, DRILLING AND SETTING F
2 CUT, FORM AND ALIGN CIRCUIT WIRES (LOAD AND LINE S
IDE ENDS).
3 INSTALL PLUG OR CARTRIDGE TYPE FUSES.
4 CHECK OPERATION OF SWITCH (SINGLE OR DOUBLE THROW)

GT 545 1 MOUNT SAFETY SWITCH ON WOOD SURFACE - INCLUDES REM
OVAL FROM CARDBOARD CARTON, DRILLING AND SETTING F
2 CUT, SEPARATE, FORM AND ALIGN NO. 6 CIRCUIT WIRES
(LOAD AND LINE SIDE ENDS)WITH SIX 90 DEGREE BENDS
3 INSTALL SOLDERLESS, SCREW TYPE LUG TO WIRE END AND
TO TERMINAL, INCLUDES SKINNING WIRE END.
4 INSTALL PLUG OR CARTRIDGE TYPE FUSES.
5 CHECK OPERATION OF SWITCH (SINGLE OR DOUBLE THROW)

GT 546 1 MOUNT SAFETY SWITCH ON WOOD SURFACE - INCLUDES REM
OVAL FROM CARDBOARD CARTON, DRILLING AND SETTING F
2 CUT, SEPARATE, FORM AND ALIGN NO. 4 TO 2/0 CIRCUIT
WIRES (LOAD AND LINE SIDE ENDS)WITH SIX 90 DEGREE
3 INSTALL SOLDERLESS, SCREW TYPE LUG TO WIRE END AND
TO TERMINAL, INCLUDES SKINNING WIRE END.
4 INSTALL PLUG OR CARTRIDGE TYPE FUSES.
5 CHECK OPERATION OF SWITCH (SINGLE OR DOUBLE THROW)

GT 547 1 MOUNT SAFETY SWITCH ON NARROW STEEL COLUMN - INCLU
DES REMOVAL FROM CARDBOARD CARTON, FABRI- CATING A
2 CUT, FORM AND ALIGN NO. 8 OR SMALLER CIRCUIT WIRES
(LOAD AND LINE SIDE ENDS).
3 INSTALL PLUG OR CARTRIDGE TYPE FUSES.
4 CHECK OPERATION OF SWITCH (SINGLE OR DOUBLE THROW)

GT 548 1 MOUNT SAFETY SWITCH ON NARROW STEEL COLUMN - INCLU
DES REMOVAL FROM CARDBOARD CARTON, FABRI- CATING A
2 CUT, SEPARATE, FORM AND ALIGN NO. 6 CIRCUIT WIRES
(LOAD AND LINE SIDE ENDS)WITH SIX 90 DEGREE BENDS
3 INSTALL SOLDERLESS, SCREW TYPE LUG TO WIRE END AND
TO TERMINAL, INCLUDES SKINNING WIRE END.
4 INSTALL PLUG OR CARTRIDGE TYPE FUSES.
5 CHECK OPERATION OF SWITCH (SINGLE OR DOUBLE THROW)

GT 550 1 MOUNT SAFETY SWITCH ON CONCRETE SURFACE - INCLUDES
REMOVAL FROM CARDBOARD CARTON,DRILLING FOUR HOLES
2 CUT, FORM AND ALIGN NO. 8 OR SMALLER CIRCUIT WIRES
(LOAD AND SIDE ENDS).
3 INSTALL PLUG OR CARTRIDGE TYPE FUSES.
4 CHECK OPERATION OF SWITCH (SINGLE OR DOUBLE THROW)

GT 551 1 MOUNT SAFETY SWITCH ON CONCRETE SURFACE - INCLUDES
REMOVAL FROM CARDBOARD CARTON,DRILLING FOUR HOLES
2 CUT, SEPARATE, FORM AND ALIGN NO. 6 CIRCUIT WIRES
(LOAD AND LINE SIDE ENDS) WITH SIX 90 DEGREE BENDS
3 INSTALL SOLDERLESS, SCREW TYPE LUG TO WIRE END AND
TO TERMINAL, INCLUDES SKINNING WIRE END.
4 INSTALL PLUGS OR CARTRIDGE TYPE FUSES.
5 CHECK OPERATION OF SWITCH (SINGLE OR DOUBLE THROW)

GT 560 1 REMOVE COVER PLATE.
2 DISCONNECT CONDUCTORS FROM SCREW TERMINALS.
3 REMOVE BREAKER UNIT FROM CASING.
4 LOOSEN LOCKNUTS ON CONDUIT IN CASING.
5 REMOVE LOCKNUTS FROM CONDUIT IN CASING .
6 STRAIGHTEN CIRCUIT WIRES (LOAD AND LINE SIDE ENDS)
7 REMOVE ONE HOLE CLAMP OR CLIP.
8 REMOVE CASING FROM WOOD OR CONCRETE SURFACES.

GT 561 1 REMOVE COVER PLATE.
2 REMOVE SOLDERLESS, SCREW TYPE LUGS FROM TERMINAL AND WIRE ENDS.
3 REMOVE BREAKER UNIT FROM CASING.
4 LOOSEN LOCKNUTS ON CONDUIT ENDS IN CASING.
5 REMOVE LOCKNUTS FROM CONDUIT ENDS IN CASING.
6 STRAIGHTEN CIRCUIT WIRES (LOAD AND LINE SIDE ENDS)
FOR NO. 6 OR LARGER CIRCUIT WIRES.
7 REMOVE TWO HOLE CLAMP OR CLIP.
8 REMOVE CASING FROM WOOD OR CONCRETE SURFACE.

GT 562 1 REMOVE COVER PLATE.
2 DISCONNECT CONDUCTORS FROM SCREW TERMINALS.
3 REMOVE BREAKER UNIT FROM CASING.
4 LOOSEN LOCKNUTS ON CONDUIT IN CASING.
5 REMOVE LOCKNUTS FROM CONDUIT IN CASING.
6 STRAIGHTEN CIRCUIT WIRES (LOAD AND LINE SIDE ENDS)
7 REMOVE ONE HOLE CLAMP OR CLIP.
8 REMOVE CASING FROM A STEEL COLUMN.

GT 563 1 REMOVE COVER PLATE.
2 REMOVE SOLDERLESS, SCREW TYPE LUGS FROM TERMINAL AND WIRE ENDS.
3 REMOVE BREAKER UNIT FROM CASING .
4 LOOSEN LOCKNUTS ON CONDUIT ENDS IN CASING.
5 REMOVE LOCKNUTS FROM CONDUIT ENDS IN CASING.
6 STRAIGHTEN CIRCUIT WIRES (LOAD AND LINE SIDE ENDS)
FOR NO. 6 OR LARGER CIRCUIT WIRES.
7 REMOVE TWO HOLE CLAMP OR CLIP.
8 REMOVE CASING FROM STEEL COLUMN.

GT 564 1 REMOVE COVER BOLTS.
2 REMOVE COVER PLATE.
3 DISCONNECT CONDUCTORS FROM SCREW TERMINALS.
4 REMOVE BREAKER UNIT FROM CASING.
5 LOOSEN LOCKNUTS ON CONDUIT IN CASING.
6 REMOVE LOCKNUTS FROM CONDUIT IN CASING.
7 STRAIGHTEN CIRCUIT WIRES (LOAD AND LINE SIDE ENDS)
8 REMOVE ONE HOLE CLAMP OR CLIP.
9 REMOVE CASING FROM WOOD OR CONCRETE SURFACE.

GT 565 1 REMOVE COVER BOLTS.
2 REMOVE COVER PLATE.
3 REMOVE SOLDERLESS, SCREW TYPE LUGS FROM TERMINAL AND WIRE ENDS.
4 REMOVE BREAKER UNIT FROM CASING.
5 LOOSEN LOCKNUTS ON CONDUIT ENDS IN CASING.
6 REMOVE LOCKNUTS FROM CONDUIT ENDS IN CASING.
7 STRAIGHTEN CIRCUIT WIRES (LOAD AND LINE SIDE ENDS)
FOR NO. 6 OR LARGER CIRCUIT WIRES.
8 REMOVE TWO HOLE CLAMP OR CLIP.
9 REMOVE CASING FROM WOOD OR CONCRETE SURFACE.

GT 566 1 REMOVE COVER BOLTS.
2 REMOVE COVER PLATE.
3 DISCONNECT CONDUCTORS FROM SCREW TERMINALS.
4 REMOVE BREAKER UNIT FROM CASING.
5 LOOSEN LOCKNUTS ON CONDUIT IN CASING.
6 REMOVE LOCKNUTS FROM CONDUIT IN CASING.
7 STRAIGHTEN CIRCUIT WIRES (LOAD AND LINE SIDE ENDS)
8 REMOVE ONE HOLE CLAMP OR CLIP.
9 REMOVE CASING FROM A STEEL COLUMN.

GT 567 1 REMOVE COVER BOLTS.
2 REMOVE COVER PLATE.
3 REMOVE SOLDERLESS, SCREW TYPE LUGS FROM TERMINAL AND WIRE ENDS.
4 REMOVE BREAKER UNIT FROM CASING.
5 LOOSEN LOCKNUTS ON CONDUITS ENDS IN CASING.
6 REMOVE LOCKNUTS FROM CONDUIT ENDS IN CASING .
7 STRAIGHTEN CIRCUIT WIRES (LOAD AND LINE SIDE ENDS) FOR NO. 6 OR LARGER CIRCUIT WIRES.
8 REMOVE TWO HOLE CLAMP OR CLIP.
9 REMOVE CASING FROM A STEEL COLUMN.

GT 568 1 DISCONNECT CONDUCTORS FROM SCREW TERMINALS.
2 LOOSEN LOCKNUTS ON CONDUITS IN CASING.
3 REMOVE LOCKNUTS FROM CONDUIT ENDS IN CASING.
4 STRAIGHTEN CIRCUIT WIRES (LOAD AND LINE SIDE ENDS) OF NO. 8 OR SMALLER CIRCUIT WIRES.
5 REMOVE ONE HOLE CLAMP OR CLIP.
6 REMOVE SAFETY SWITCH INTACT FROM WOOD OR CONCRETE SURFACE.

GT 569 1 REMOVE SOLDERLESS, SCREW TYPE LUGS FROM TERMINAL AND WIRE ENDS.
2 LOOSEN LOCKNUTS ON CONDUIT IN CASING.
3 REMOVE LOCKNUTS FROM CONDUIT ENDS IN CASING.
4 STRAIGHTEN CIRCUIT WIRES (LOAD AND LINE SIDE ENDS) FOR NO. 6 OR LARGER CIRCUIT WIRES.
5 REMOVE TWO HOLE CLAMP OR CLIP.
6 REMOVE SAFETY SWITCH INTACT FROM WOOD OR CONCRETE SURFACE.

GT 570 1 DISCONNECT CONDUCTORS FROM SCREW TERMINALS.
2 LOOSEN LOCKNUTS ON CONDUIT IN CASING.
3 REMOVE LOCKNUTS FROM CONDUIT ENDS IN CASING.
4 STRAIGHTEN CIRCUIT WIRES (LOAD AND LINE SIDE ENDS) FOR NO. 8 OR SMALLER CIRCUIT WIRES.
5 REMOVE ONE HOLE CLAMP OR CLIP.
6 REMOVE SAFETY SWITCH INTACT FROM A STEEL COLUMN.

GT 571 1 REMOVE SOLDERLESS, SCREW TYPE LUGS FROM TERMINAL A ND WIRE ENDS.
2 LOOSEN LOCKNUTS ON CONDUIT IN CASING.
3 REMOVE LOCKNUTS FROM CONDUIT ENDS IN CASING.
4 STRAIGHTEN CIRCUIT WIRES (LOAD AND LINE SIDE ENDS) FOR NO. 6 OR LARGER CIRCUIT ENDS.
5 REMOVE TWO HOLE CLAMP OR CLIP.
6 REMOVE SAFETY SWITCH INTACT FROM A STEEL COLUMN.

GT 572 1 DISASSEMBLE AND REMOVE STEM MOUNTED FLUORESCENT FI XTURE.
2 ASSEMBLE AND INSTALL STEM MOUNTED FLUORESCENT FIXT URE

GT 573 1 DISASSEMBLE AND REMOVE STEM MOUNTED FLUORESCENT FIXTURE
2 ASSEMBLE AND INSTALL INTERCONNECTED FIXTURE TO OVERHEAD JUNCTION BOX AND CEILING BRACKET

GT 574 1 DISASSEMBLE AND REMOVE STEM MOUNTED FLUORESENT FIXTURE
2 ASSEMBLE AND INSTALL SURFACE MOUNTED FLUORESCENT FIXTURE

GT 575 1 DISASSEMBLE AND REMOVE STEM MOUNTED FLUORESCENT FIXTURE
2 ASSEMBLE AND INSTALL INTERCONNECTED, SURFACE MOUNT FLUORESCENT FIXTURE

GT 576 1 DISASSEMBLE AND REMOVE STEM MOUNTED FLUORESCENT FIXTURE
2 ASSEMBLE AND INSTALL STEM MOUNTED FLUORESCENT FIXTURE

GT 577 1 DISASSEMBLE AND REMOVE STEM MOUNTED FLUORESCENT FIXTURE
2 ASSEMBLE AND INSTALL INTERCONNECTED STEM MOUNTED FLUORESCENT FIXTURE

GT 578 1 DISASSEMBLE AND REMOVE STEM MOUNTED FLUORESCENT FIXTURE
2 ASSEMBLE AND INSTALL SURFACE MOUNTED FLUORESCENT FIXTURE

GT 579 1 DISASSEMBLE AND REMOVE STEM MOUNTED FLUORESCENT FIXTURE
2 ASSEMBLE AND INSTALL INTERCONNECTED SURFACE MOUNTED FLUORESCENT FIXTURE

GT 580 1 DISASSEMBLE AND REMOVE STEM MOUNTED FLUORESCENT FIXTURE
2 ASSEMBLE AND INSTALL SURFACE MOUNTED INCANDESCENT FIXTURE

GT 581 1 DISASSEMBLE AND REMOVE STEM MOUNTED FLUORESCENT FIXTURE
2 ASSEMBLE AND INSTALL STEM MOUNTED INCANDESCENT FIXTURE

GT 582 1 DISASSEMBLE AND REMOVE SURFACE MOUNTED FLUORESCENT FIXTURE
2 ASSEMBLE AND INSTALL STEM MOUNTED FLUORESCENT FIXTURE

GT 583 1 DISASSEMBLE AND REMOVE SURFACE MOUNTED FLUORESCENT FIXTURE
2 ASSEMBLE AND INSTALL INTERCONNECTED STEM MOUNTED FLUORESCENT FIXTURE

GT 584 1 DISASSEMBLE AND REMOVE SURFACE MOUNTED FLUORESCENT FIXTURE
2 ASSEMBLE AND INSTALL SURFACE MOUNTED FLUORESCENT FIXTURE

GT 585 1 DISASSEMBLE AND REMOVE SURFACE MOUNTED FLUORESCENT FIXTURE
2 ASSEMBLE AND INSTALL INTERCONNECTED FLUORESCENT FIXTURE

GT 586 1 DISASSEMBLE AND REMOVE SURFACE MOUNTED FLUORESCENT FIXTURE
2 ASSEMBLE AND INSTALL STEM MOUNTED FLUORESCENT FIXTURE

GT 587 1 DISASSEMBLE AND REMOVE SURFACE MOUNTED FLUORESCENT FIXTURE
2 ASSEMBLE AND INSTALL INTERCONNECTED STEM MOUNTED FLUORESCENT FIXTURE

GT 588 1 DISASSEMBLE AND REMOVE SURFACE MOUNTED FLUORESCENT FIXTURE
2 ASSEMBLE AND INSTALL SURFACE MOUNTED FLUORESCENT FIXTURE

GT 589 1 DISASSEMBLE AND REMOVE SURFACE MOUNTED FLUORESCENT FIXTURE
2 ASSEMBLE AND INSTALL INTERCONNECTED SURFACE MOUNTED FLUORESCENT FIXTURE

GT 590 1 DISASSEMBLE AND REMOVE SURFACE MOUNTED FLUORESCENT FIXTURE
2 ASSEMBLE AND INSTALL SURFACE MOUNTED INCANDESCENT FIXTURE

GT 591 1 DISASSEMBLE AND REMOVE SURFACE MOUNTED FLUORESCENT FIXTURE
2 ASSEMBLE AND INSTALL STEM MOUNTED INCANDESCENT FIXTURE

GT 592 1 DISASSEMBLE AND REMOVE SURFACE MOUNTED INCANDESCENT FIXTURE
2 ASSEMBLE AND INSTALL STEM MOUNTED FLUORESCENT FIXTURE

GT 593 1 DISASSEMBLE AND REMOVE INTERCONNECTED SURFACE MOUNTED INCANDESCENT FIXTURE
2 ASSEMBLE AND INSTALL INTERCONNECTED STEM MOUNTED FLUORESCENT FIXTURE

GT 594 1 DISASSEMBLE AND REMOVE SURFACE MOUNTED INCANDESCENT FIXTURES
2 ASSEMBLE AND INSTALL SURFACE MOUNTED FLUORESCENT FIXTURE

GT 595 1 DISASSEMBLE AND REMOVE SURFACE MOUNTED INCANDESCENT FIXTURE
2 ASSEMBLE AND INSTALL INTERCONNECTED SURFACE MOUNTED FLUORESCENT FIXTURE

GT 596 1 DISASSEMBLE AND REMOVE SURFACE MOUNTED INCANDESCENT FIXTURES
2 ASSEMBLE AND INSTALL STEM MOUNTED FLUORESCENT FIXTURE

GT 597 1 DISASSEMBLE AND REMOVE SURFACE MOUNTED INCANDESCENT FIXTURE
2 ASSEMBLE AND INSTALL INTERCONNECTED STEM MOUNTED FLUORESCENT FIXTURE

GT 598 1 DISASSEMBLE AND REMOVE SURFACE MOUNTED INCANDESCENT FIXTURE
2 ASSEMBLE AND INSTALL SURFACE MOUNTED FLUORESCENT FIXTURE

GT 599 1 DISASSEMBLE AND REMOVE SURFACE MOUNTED INCANDESCENT FIXTURE
2 ASSEMBLE AND INSTALL INTERCONNECTED SURFACE MOUNTED FLUORESCENT FIXTURE

GT 600 1 DISASSEMBLE AND REMOVE SURFACE MOUNTED INCANDESCENT FIXTURE
2 ASSEMBLE AND INSTALL SURFACE MOUNTED INCANDESCENT FIXTURE

GT 601 1 DISASSEMBLE AND REMOVE SURFACE MOUNTED INCANDESCENT FIXTURE
2 ASSEMBLE AND INSTALL STEM MOUNTED INCANDESCENT FIXTURE

GT 602 1 DISASSEMBLE AND REMOVE STEM MOUNTED INCANDESCENT FIXTURE
2 ASSEMBLE AND INSTALL STEM MOUNTED FLUORESCENT FIXURE

GT 603 1 DISASSEMBLE AND REMOVE STEM MOUNTED INCANDESCENT F IXTURE
2 ASSEMBLE AND INSTALL INTERCONNECTED STEM MOUNTED F LUORESCENT FIXTURE

GT 604 1 DISASSEMBLE AND REMOVE STEM MOUNTED INCANDESCENT F IXTURES
2 ASSEMBLE AND INSTALL SURFACE MOUNTED FLUORESCENT F IXTURE

GT 605 1 DISASSEMBLE AND REMOVE STEM MOUNTED INCANDESCENT F IXTURE
2 ASSEMBLE AND INSTALL INTERCONNECTED SURFACE MOUNTE D FLUORESCENT FIXTURE

GT 606 1 DISASSEMBLE AND REMOVE STEM MOUNTED INCANDESCENT F IXTURE
2 ASSEMBLE AND INSTALL STEM MOUNTED FLUORESCENT FIXT URE

GT 607 1 DISASSEMBLE AND REMOVE STEM MOUNTED INCANDESCENT F IXTURE
2 ASSEMBLE AND INSTALL INTERCONNECTED STEM MOUNTED F LUORESCENT FIXTURE

GT 608 1 DISASSEMBLE AND REMOVE STEM MOUNTED INCANDESCENT F IXTURE
2 ASSEMBLE AND INSTALL SURFACE MOUNTED FLUORESCENT F IXTURE

GT 609 1 DISASSEMBLE AND REMOVE STEM MOUNTED INCANDESCENT F IXTURE
2 ASSEMBLE AND INSTALL INTERCONNECTED SURFACE MOUNTE D FLUORESCENT FIXTURE

GT 610 1 DISASSEMBLE AND REMOVE STEM MOUNTED INCANDESCENT F IXTURE
2 ASSEMBLE AND INSTALL SURFACE MOUNTED INCANDESCENT FIXTURE

GT 611 1 DISASSEMBLE AND REMOVE STEM MOUNTED INCANDESCENT F IXTURE
2 ASSEMBLE AND INSTALL STEM MOUNTED INCANDESCENT FIX TURE

GT 612 1 UNPACK COMPONENT PARTS AND INSTRUCTIONS
2 EXAMINE COMPONENT PARTS, HARDWARE AND INSTRUCTIONS
3 GET STEP LADDER FROM TRUCK AND RETURN
4 WALK TO AND FROM TRUCK TO GET AND RETURN LADDER
5 OBTAIN, SET UP AND LATER RETURN STEP LADDER
6 CLIMB UP AND DOWN STEP LADDER
7 REMOVE AND ASIDE ACOUSTICAL TILE
8 INSPECT INSTALLATION SITE FROM LADDER
9 MEASURE AREA FOR SUPPORT BEAM AND FLEXIBLE CONDUIT
10 OBTAIN BEAM AND CONDUIT FROM TRUCK
11 WALK TO AND FROM TRUCK TO GET BEAM AND CONDUIT
12 CUT FLEXIBLE CONDUIT TO PROPER LENGTH WITH SPECIAL TOOL
13 MEASURE, MARK AND CUT METAL BEAM TO LENGTH WITH HA CKSAW
14 CLIMB UP AND DOWN STEP LADDER
15 POSITION BEAM TO APPROXIMATE LOCATION ACROSS CEILI NG SUPPORTS
16 CLIMB UP AND DOWN STEP LADDER
17 PUNCH OUT TWO KNOCKOUTS FROM METAL OUTLET BOX

18 INSTALL OUTLET BOX TO BEAM WITH TWO SCREWS
19 CLIMB UP AND DOWN STEP LADDER
20 INSTALL CONNECTOR TO END OF FLEXIBLE CONDUIT
21 POSITION CONDUIT TO OUTLET BOX
22 INSTALL LOCK NUT TO CONDUIT
23 ATTACH CONDUIT TO OUTLET BOX WITH CONNECTOR
24 INSTALL CONNECTOR TO OPPOSITE END OF CONDUIT
25 CHECK BOX POSITION IN CEILING
26 POSITION BOX AND BEAM AS NEEDED FOR CORRECT ALIGNM
ENT WITH CEILING
27 CLIMB UP AND DOWN STEP LADDER
28 CUT 3" X 3" SECTION FROM ACOUSTICAL CEILING TILE W
ITH KNIFE FOR CLEARANCE
29 POSITION TILE IN PLACE AT COMPONENT LOCATION
30 CUT THREE WIRES IN FLEXIBLE CONDUIT TO LENGTH
31 TAKE ADDITIONAL STEPS ON LADDER TO GAIN ACCESS TO
EXISTING ELECTRICAL WIRING ABOVE CEILING
32 CONNECT WIRES FROM END OF CONDUIT TO POWER SOURCE
33 MOVE LADDER TO NEW LOCATION
34 WALK WITH STEP LADDER TO NEW LOCATIONS AT EACH END
OF BEAM
35 CLIMB UP AND DOWN STEP LADDER AT EACH LOCATION
36 REMOVE TWO CEILING TILES FOR CLEARANCE TO TIE BEAM
37 INSTALL TWO CEILING TILES AFTER REMOVAL FOR CLEARA
NCE
38 SECURE BEAM TO CEILING SUPPORTS WITH WIRE
39 INSTALL TWO WIRE NUTS TO WIRES AT OUTLET BOX
40 INSTALL NEW COMPONENT MOUNTING BRACKET TO OUTLET B
OX
41 CUT AND CONNECT TWO WIRES FROM OUTLET BOX TO NEW C
OMPONENT
42 CONNECT GROUND WIRE FROM NEW COMPONENT TO BOX
43 TEST OPERATION OF NEW COMPONENT SUCH AS ON/OFF SWI
TCH, VARIABLE SPEED SWITCH, ETC.
44 PUT TOOLS AWAY AFTER JOB IS COMPLETED
45 OBTAIN BROOM AND DUSTPAN AND ASIDE
46 SWEEP AREA AS NEEDED
47 PICK UP DEBRIS WITH DUSTPAN AND DISPOSE OF
48 PICK UP AND DISPOSE OF LOOSE DEBRIS BY HAND

GT 613 1 INSTALL ELECTRICAL WIRING AND SUPPORT IN SUSPENDED CEILING - INCLUDES REMOVE AND INSTALL CEILING TIL
2 CLIMB UP AND DOWN STEP LADDER
3 POSITION HANGER BRACKET TO OUTLET BOX FOR MOUNTING WITH TWO SCREWS
4 INSTALL TWO SCREWS TO HOLD HANGER BRACKET
5 UNPACK AND LAYOUT FAN HARDWARE
6 ASSEMBLE HEMISPHERE AND HANGER PIPE TO FAN MOTOR
7 INSTALL SCREWS TO HOLD FAN ASSEMBLY
8 UNPACK AND LAYOUT FAN HARDWARE
9 POSITION FAN BLADES TO BLADE HOLDERS FOUR BLADES P ER FAN
10 ASSEMBLE FIBER WASHERS TO SCREWS FOUR BLADES PER F AN; THREE WASHERS PER BLADE
11 INSTALL SCREWS TO BLADE AND BLADE HOLDER FOUR BLAD ES PER FAN; THREE SCREWS PER BLADE
12 POSITION FIBER WASHER TO FAN MOTOR FOUR BLADES PER FAN; ONE WASHER PER BLADE
13 POSITION BLADE TO FAN MOTOR FOUR BLADES PER FAN
14 INSTALL SCREWS TO HOLD BLADES TO FAN FOUR BLADES P ER FAN; TWO SCREWS PER BLADE
15 POSITION CEILING CANOPY TO FAN
16 CLIMB UP AND DOWN STEP LADDER
17 HANG FAN UNIT FROM HANGER BRACKET
18 ATTACH EXTENSION TO PULL CHAIN
19 INSTALL CEILING CANOPY WITH TWO SCREWS

GT 614 1 OBTAIN DRILL MOTOR FROM FLOOR
2 GET CHUCK KEY TO LOOSEN AND TIGHTEN CHUCK
3 LOOSEN DRILL CHUCK WITH CHUCK KEY
4 LOOSEN CHUCK BY HAND
5 REMOVE DRILL AND INSTALL CORRECT DRILL IN CHUCK
6 HAND TIGHTEN CHUCK
7 TIGHTEN CHUCK WITH CHUCK KEY
8 MARK HOLE LOCATION
9 POSITION DRILL TO MARK
10 DRILL THROUGH WOODEN SURFACE WITH HAND DRILL
11 CLEAN HOLE BY RUNNING DRILL BACK AND FORTH
12 GET CHUCK KEY TO REMOVE DRILL
13 LOOSEN CHUCK WITH CHUCK KEY
14 LOOSEN CHUCK BY HAND TO REMOVE DRILL
15 REMOVE DRILL AND PLACE HOLE SAW IN CHUCK
16 HAND TIGHTEN DRILL CHUCK
17 TIGHTEN CHUCK WITH CHUCK KEY
18 POSITION HOLE SAW TO DRILLED HOLE
19 CUT HOLE THROUGH WITH HOLE SAW
20 ASIDE DRILL TO FLOOR
21 DEBURR HOLE WITH HALF ROUND FILE
22 EXAMINE BOTH SIDES OF HOLE

GT 615 1 REMOVE COVER FROM NEW DETECTOR AND LATER REINSTALL
2 MEASURE AND MARK HOLE LOCATIONS ON CEILING, DRILL FIRST HOLE AND INSTALL ANCHOR
3 DRILL SECOND HOLE
4 INSTALL SECOND ANCHOR
5 POSITION SCREWS TO HOLES AT CEILING
6 INSTALL SCREWS TO CEILING
7 STRIP WIRES AT CEILING LOCATION
8 STRIP AND TWIST WIRES AND INSTALL TWO WIRE NUTS TO CONNECT DETECTOR TO WIRING
9 POSITION DETECTOR ON SCREWS IN CEILING
10 TURN DETECTOR ON SCREWS TO ATTACH
11 TURN SCREWS TO TIGHTEN TO HOLD DETECTOR
12 POSITION COVER TO SMOKE DETECTOR
13 TEST DETECTOR WITH AEROSOL SMOKE CAN
14 WAIT FOR DETECTOR ALARM TO SOUND

GT 616 1 UNPACK LIGHT FIXTURE AND HARDWARE
2 GET STEP LADDER FROM TRUCK AND LATER RETURN *AVERAGE OF ONE TIME PER TWO FIXTURES
3 WALK TO AND FROM TRUCK TO GET STEP LADDER *AVERAGE OF ONE 200 FOOT ROUND TRIP PER TWO *FIXTURES
4 OPEN STEP LADDER FOR USE AND LATER CLOSE AND ASIDE
5 CLIMB UP AND DOWN STEP LADDER *AVERAGE OF FOUR UP AND DOWN TRIPS PER FIXTURE
6 REMOVE CEILING TILES FOR ACCESS TO WORK SPACE
7 REMOVE TWO KNOCKOUTS IN EACH LIGHT FIXTURE
8 CARRY FIXTURE UP STEP LADDER AND PLACE IN CEILING TWO MEN
9 POSITION FIXTURE IN CEILING BRACES AND CROSS BEAMS
10 TAKE ADDITIONAL STEPS TO ACCESS CEILING TO TIE LIGHT SUPPORTS TO ORIGINAL CEILING
11 TIE TWO SUPPORT WIRES TO CEILING AND TO EACH END OF LIGHT FIXTURE TO INSURE LIGHT WILL NOT FALL IF C
12 INSTALL FLUORESCENT BULBS IN FIXTURE
13 MEASURE FIXTURE AREA TO DETERMINE LENGTH OF FLEX CONDUIT TO BE INSTALLED
14 CUT BOTH ENDS OF FLEXIBLE (BX) CONDUIT TO LENGTH WITH HAND CRANK CUTTER *CUT TO LENGTH AND EXPOSE BA
15 SEPARATE WIRES AT EACH END OF CONDUIT BEFORE INSTALLATION
16 ATTACH FITTING TO EACH END OF CONDUIT
17 CUT WIRES AS NEEDED TO ATTACH TO FIXTURE
18 ATTACH CONNECTOR TO LIGHT FIXTURE FOR WIRING ATTACHMENT
19 CONNECT WIRING WITH FLEXIBLE CONDUIT TO LIGHT FIXTURE AND TO POWER
20 REPLACE CEILING TILES REMOVED FOR ACCESS
21 TEST OPERATION OF LIGHT FIXTURE AFTER INSTALLATION

GT 617 1 WALK AROUND WORK AREA TO DETERMINE HOW TO RUN TEMP ORARY SERVICE
2 LAYOUT, MEASURE AND CUT WIRE TO LENGTH FOR SERVICE
3 WALK TO PANEL AND TO SERVICE LOCATION AS WIRE IS U NCOILED
4 CHECK PANEL WITH TEST LEADS AND VOLTMETER
5 WALK TO MAIN BREAKER TO SECURE POWER AND RETURN
6 TURN MAIN POWER OFF AND LATER ON AFTER INSTALLATIO N OF SERVICE
7 INITIAL LOOSEN AND FINAL TIGHTEN OF SCREWS HOLDING WIRES - FOUR WIRES TO PANEL AND FOUR TO SERVICE
8 TURN SCREWS WITH SCREWDRIVER TO LOOSEN OLD WIRES A ND TO TIGHTEN NEW WIRES
9 STRIP WIRE ENDS TO INSTALL IN PANEL AND IN SERVICE AREA
10 POSITION WIRES TO TERMINALS
11 ASIDE OLD WIRING TO ACCESS TERMINALS
12 CHECK PHASING WITH METER AFTER POWER IS TURNED ON
13 TURN MAIN POWER OFF AND ON TO CORRECT PHASING
14 INITIAL LOOSEN AND TIGHTEN OF SCREWS TO CHANGE PHA SING
15 TURN SCREWS TO LOOSEN AND TO TIGHTEN ON WIRES
16 CHECK PHASING WITH METER - 50% OF JOBS TO CORRECT PHASING
17 TURN ON MAIN SYSTEM
18 INITIAL TURNS WITH SCREWDRIVER TO REMOVE TEMPORARY WIRING
19 TURN SCREWS TO RELEASE WIRES
20 ASIDE TEMPORARY WIRING

GT 618 1 WALK AROUND WORK AREA TO DETERMINE HOW TO RUN TEMP ORARY SERVICE
2 UNLOAD COIL OF TEMPORARY CABLE FROM TRUCK AND LOAD ONTO TRUCK AFTER CUTTING OFF PROPER LENGTH
3 UNCOIL WIRE AND MEASURE OFF LENGTH NEEDED FOR TEMP ORARY SERVICE
4 CUT FOUR STRANDS OF CABLE TO LENGTH
5 WALK TO PANEL AND TO SERVICE LOCATION AS WIRE IS B EING UNCOILED
6 TWIST FOUR WIRES TOGETHER NEAR END FOR EASIER HAND LING - BOTH ENDS
7 TAPE FOUR WIRES TOGETHER FOR EASE OF HANDLING - BO TH ENDS
8 CHECK PANEL WITH TEST LEADS AND VOLTMETER
9 WALK TO MAIN BREAKER TO SECURE POWER AND RETURN
10 TURN MAIN POWER OFF AND LATER ON AGAIN AFTER INSTA LLATION OF SERVICE
11 INITIAL LOOSEN AND TIGHTEN OF ALLEN SCREWS SECURIN G WIRES - FOUR WIRES TO PANEL AND FOUR TO SERVICE
12 TURN SCREW WITH ALLEN WRENCH UNTIL WIRE IS LOOSE - FOUR SCREWS PER PANEL - AND TIGHTEN SCREWS ON NEW
13 STRIP WIRE ENDS TO INSTALL IN PANEL AND IN SERVICE AREA
14 BEND WIRES 90 DEGREES TO FIT IN TERMINALS
15 POSITION WIRES TO TERMINALS
16 PUSH OLD WIRING ASIDE AFTER REMOVAL
17 TIE OFF OLD WIRING - BOTH ENDS
18 CHECK PHASING WITH METER AFTER POWER IS TURNED ON
19 TURN MAIN POWER OFF AND ON TO CORRECT PHASING
20 INITIAL TURN WITH ALLEN WRENCH TO TURN TWO SCREWS TO SWITCH WIRES IF PHASING IS OFF - 50% OF JOBS
21 TURN SCREWS TO REMOVE AND REPLACE WIRES TO CORRECT PHASING - 50% OF JOBS
22 CHECK PHASING WITH METER - 50% OF JOBS TO CORRECT PHASING

23 TURN ON MAIN SYSTEM
24 INITIAL TURNS WITH ALLEN WRENCH TO REMOVE TEMPORAR Y WIRING - 8 SCREWS
25 ADDITIONAL TURNS WITH ALLEN WRENCH TO REMOVE TEMPO RARY WIRING
26 ASIDE TEMPORARY WIRING AFTER USE
27 TIE TEMPORARY WIRING IN COIL AFTER REMOVAL

GT 619 1 INSTALL RIGID CONDUIT AND WIRING FOR EXHAUST FAN O N CONCRETE WALL
2 INSTALL RECEPTACLE FOR EXHAUST FAN
3 INSTALL SINGLE-POLE SWITCH FOR EXHAUST FAN
4 GET AND SET UP STEPLADDER AND ASIDE AFTER USE
5 CLIMB UP AND DOWN STEPLADDER DURING INSTALLATION O F FAN - AVERAGE OF SIX TIMES UP AND DOWN
6 MEASURE AND MARK WALL FOR FAN OPENING
7 GET DRILL MOTOR FROM FLOOR
8 DRILL HOLE THROUGH WALL FOR FAN CUT OUT *OCCURENCE OF 1/2 AS WALL 1" OR LESS AND STD IS *FOR 2" DEEP
9 ASIDE DRILL MOTOR
10 GET SABRE SAW FROM FLOOR
11 SAW OUT OPENING FOR FAN IN WOODEN WALL *(STD FOR 1 FT X 1FT OPENING MULTIPLIED BY 2 FOR 2FT X *2FT OP
12 SAW OUT CORNERS OF FAN OPENING TO FIT *TIME IS FOR FOUR CORNERS AND DIVIDED BY 2 AS *MATERIAL IS WOO
13 ASIDE SABRE SAW TO FLOOR
14 LAYOUT AND MARK FAN MOUNTING HOLES
15 GET DRILL MOTOR FROM FLOOR
16 GET CHUCK KEY TO LOOSEN AND TIGHTEN CHUCK
17 HAND TIGHTEN CHUCK AND LATER LOOSEN
18 LOOSEN DRILL CHUCK WITH CHUCK KEY AND LATER TIGHTE N
19 REMOVE DRILL FROM CHUCK AND REPLACE WITH CORRECT S IZE DRILL
20 POSITION DRILL TO LAYOUT MARK
21 DRILL MOUNTING HOLES IN WALL *EIGHT HOLES THROUGH 1/2" WOOD OR SHEET METAL VICE *STD FOR STEEL
22 INSTALL EXHAUST FAN IN OPENING
23 INSTALL SCREWS TO HOLD EXHAUST FAN TO WALL
24 CAULK AROUND FAN AFTER INSTALLATION
25 PLUG IN FAN TO RECEPTACLE
26 TEST OPERATION OF FAN AFTER INSTALLATION

GT 620 1 OPEN KNOCKOUT HOLE IN METAL BOX WITH HYDRAULIC PUN CH

GT 621 1 POSITION STAND TO HANGER LOCATION
2 PLACE DRILL AND DROP CORD ON STAND
3 CONNECT MOTOR AND DROP CORD TO POWER SOURCE
4 GET AND PUT ON SAFETY GLASSES
5 CLIMB WORK STAND
6 RAISE WORK STAND TO WORKING HEIGHT
7 SIGHT ALONG CONDUIT RUN TO DETERMINE LOCATION FOR RACK
8 LAYOUT TWO HOLES FOR RACK USING BASE AS GUIDE
9 GET DRILL MOTOR AND PREPARE TO USE
10 DRILL TWO HOLES IN CEILING AT LAYOUT MARKS
11 DRIVE IN TWO ANCHORS WITH HAMMER
12 ASSEMBLE ROD WITH BASE
13 PLACE BASE PLATE IN POSITION
14 INSTALL TWO BOLTS IN CEILING ANCHORS HOLDING RACK BASE
15 HANG CONDUIT FROM RACK (TWO MEN)
16 INSTALL HANGER TO HOLD CONDUIT
17 TIGHTEN HANGER BOLTS
18 CLIMB DOWN STAND

GT 622 1 SET UP SAFETY BARRIER AROUND MANHOLE AND REMOVE AFTER WORK
2 REMOVE AND LATER INSTALL MANHOLE COVER
3 WALK TO VEHICLE TOOL COMPARTMENT AND RETURN *AVG. 10 FEET EACH WAY X TWO MEN
4 OPEN AND CLOSE TOOL COMPARTMENT
5 GET TEST INSTRUMENT FROM TOOL COMPARTMENT
6 WALK TO MANHOLE WITH TEST INSTRUMENT *AVG. 25 FEET X TWO MEN
7 PREPARE TO USE TEST INSTRUMENT
8 LOWER AIR SAMPLING DEVICE INTO MANHOLE
9 OBTAIN AIR SAMPLE FROM MANHOLE
10 WITHDRAW AIR SAMPLING DEVICE FROM MANHOLE
11 TAKE READING FROM TEST INSTRUMENT INDICATOR
12 FILL OUT SAFETY CHECK OFF SHEET
13 FILL OUT SAFETY REPORT IF NEGATIVE READING *ONE OF FIVE MAY SHOW GAS CONTENT
14 PREPARE TEST INSTRUMENT FOR STORAGE
15 WALK TO SERVICE VEHICLE WITH TEST INSTRUMENT
16 OPEN AND CLOSE TOOL COMPARTMENT
17 PLACE TEST INSTRUMENT IN TOOL COMPARTMENT

GT 623 1 SET UP SAFETY BARRIER AROUND MANHOLE AND REMOVE AFTER WORK
2 REMOVE AND LATER INSTALL MANHOLE COVER
3 WALK TO VEHICLE TOOL COMPARTMENT AND RETURN *AVG. 10 FEET EACH WAY X TWO MEN
4 OPEN AND CLOSE TOOL COMPARTMENT
5 GET COLORIMETRIC INDICATING GEL TUBE FROM TOOL COMPARTMENT
6 WALK TO MANHOLE WITH GEL TUBE AND RETURN *AVG. 25 FEET EACH WAY X TWO MEN
7 BREAK SEAL ON GEL TUBE
8 LOWER GEL TUBE INTO MANHOLE
9 ALLOW EXPOSURE OF GEL TUBE TO MANHOLE ATMOSPHERE
10 WITHDRAW GEL TUBE FROM MANHOLE
11 COMPARE COLORATION OF GEL IN TUBE WITH COLOR CHART
12 DISPOSE OF GEL TUBE

GT 624 1 SET UP SAFETY BARRIER AROUND MANHOLE AND REMOVE AFTER WORK
2 REMOVE MANHOLE COVER AND LATER INSTALL
3 WALK TO ADJACENT MANHOLES AND RETURN *AVG. 200 FEET X TWO ROUND TRIPS
4 CHECK FOR PRESENCE OF PERSONNEL IN ADJACENT MANHOLES
5 NOTIFY PERSONNEL IN ADJACENT MANHOLE OF INTENT TO INJECT CARBON DIOXIDE
6 UNLOAD CARBON DIOXIDE TANK FROM SERVICE VEHICLE
7 HAND CARRY CARBON DIOXIDE TANK TO MANHOLE *AVG. 25 FEET X TWO MEN
8 PLACE CARBON DIOXIDE TANK HOSE NOZZLE IN MANHOLE OPENING
9 INJECT CARBON DIOXIDE IN MANHOLE
10 REMOVE NOZZLE FROM MANHOLE
11 HAND CARRY CARBON DIOXIDE TANK TO SERVICE VEHICLE
12 LOAD CARBON DIOXIDE TANK ON SERVICE VEHICLE

GT 625 1 UNLOAD GASOLINE DRIVEN BLOWER FROM SERVICE VEHICLE
2 UNLOAD FLEXIBLE DUCT (AVG. 3 SECTIONS) FROM SERVIC E VEHICLE
3 CHECK FUEL AND LUBE OIL IN BLOWER ENGINE
4 HAND CARRY PORTABLE BLOWER TO MANHOLE AND RETURN * AVG. 25 FEET EACH WAY X TWO MEN
5 HAND CARRY FLEXIBLE DUCTS TO MANHOLE AND RETURN *A VG. 6 ROUND TRIPS X 25 FEET X TWO MEN
6 CONNECT DUCT SECTIONS WITH EACH OTHER AND TO BLOWE R
7 INSERT DUCT END INTO MANHOLE
8 START GASOLINE ENGINE ON BLOWER
9 STOP BLOWER ENGINE
10 REMOVE FLEXIBLE DUCT END FROM MANHOLE
11 DISCONNECT DUCT SECTIONS AT BLOWER AND JOINTS
12 LOAD BLOWER ON SERVICE VEHICLE
13 LOAD DUCT SECTIONS ON SERVICE VEHICLE

GT 626 1 UNLOAD ELECTRIC DRIVEN BLOWER FROM SERVICE VEHICLE
2 UNLOAD FLEXIBLE DUCT (AVG. 3 SECTIONS) FROM SERVIC E VEHICLE
3 REMOVE PORTABLE ELECTRIC CABLE FROM SERVICE VEHICL E
4 HAND CARRY PORTABLE BLOWER TO MANHOLE AND RETURN * AVG. 25 FEET EACH WAY X TWO MEN
5 HAND CARRY FLEXIBLE DUCTS AND PORTABLE ELECTRIC CA BLE TO MANHOLE AND RETURN *AVG. 25 FEET EACH WAY X
6 CONNECT DUCT SECTIONS WITH EACH OTHER AND TO BLOWE R
7 INSERT FLEXIBLE DUCT END INTO MANHOLE
8 UNCOIL AND LAY OUT PORTABLE ELECTRIC CABLE AND COI L UP AFTER USE
9 CONNECT PORTABLE ELECTRIC CABLE TO POWER SOURCE AN D TO BLOWER AND DISCONNECT
10 TURN BLOWER MOTOR ON AND LATER OFF
11 REMOVE PORTABLE DUCT END FROM MANHOLE
12 DISCONNECT DUCT SECTIONS AT BLOWER AND JOINTS
13 PLACE PORTABLE ELECTRIC CABLE ON SERVICE VEHICLE
14 LOAD BLOWER ON SERVICE VEHICLE
15 LOAD DUCT SECTIONS ON SERVICE VEHICLE

GT 627 1 UNLOAD PORTABLE GASOLINE DRIVEN PUMP FROM SERVICE VEHICLE
2 UNLOAD SUCTION AND DISCHARGE HOSES FROM SERVICE VE HICLE
3 CHECK FUEL AND LUBE OIL IN PUMP ENGINE
4 HAND CARRY PORTABLE PUMP TO MANHOLE AND RETURN *AV G. 25 FEET EACH WAY X 2 MEN
5 HAND CARRY PUMP SUCTION AND DISCHARGE HOSES TO MAN HOLE AND RETURN *AVG. 25 FEET X SIX ROUND TRIPS X
6 LAY OUT SUCTION AND DISCHARGE HOSES FOR PUMP OPERA TION
7 CONNECT HOSES TO EACH OTHER AND TO PUMP
8 RUN SUCTION HOSE END THROUGH MANHOLE ACCESS AND PL ACE IN POSITION IN WATER
9 CLIMB INTO AND OUT OF MANHOLE ON FIXED LADDER
10 CLIMB AND DESCEND MANHOLE LADDER - EACH ADDITIONAL RUNG
11 START GASOLINE ENGINE ON PUMP
12 STOP PUMP ENGINE
13 REMOVE SUCTION HOSE END FROM MANHOLE
14 DISCONNECT HOSES FROM PUMP AND FROM EACH OTHER
15 COIL SUCTION AND DISCHARGE HOSES
16 LOAD PORTABLE PUMP ON SERVICE VEHICLE
17 LOAD SUCTION AND DISCHARGE HOSES ON SERVICE VEHICLE

GT 628 1 UNLOAD PORTABLE ELECTRIC PUMP FROM SERVICE VEHICLE
2 UNLOAD PUMP SUCTION AND DISCHARGE HOSES FROM SERVI CE VEHICLE
3 REMOVE PORTABLE ELECTRIC CABLE FROM SERVICE VEHICL E
4 HAND CARRY PORTABLE PUMP TO MANHOLE AND RETURN *AV G. 25 FEET EACH WAY X TWO MEN
5 HAND CARRY HOSES AND ELECTRIC CABLE TO MANHOLE AND RETURN *AVG. 25 FEET X THREE ROUND TRIPS X TWO ME
6 LAY OUT SUCTION AND DISCHARGE HOSES FOR PUMP OPERA TION
7 CONNECT HOSES TO EACH OTHER AND TO PUMP
8 RUN SUCTION HOSE END THROUGH MANHOLE ACCESS AND PL ACE IN POSITION IN WATER
9 CLIMB INTO AND OUT OF MANHOLE ON FIXED LADDER
10 ASCEND AND DESCEND MANHOLE LADDER - EACH ADDITIONA L RUNG
11 UNCOIL AND LAY OUT PORTABLE ELECTRIC CABLE
12 CONNECT PORTABLE ELECTRIC CABLE TO POWER SOURCE
13 WALK TO ELECTRIC PUMP MOTOR AND RETURN *TWO ROUND TRIPS TO TURN ON AND OFF
14 TURN ELECTRIC MOTOR ON AND LATER OFF
15 DISCONNECT PORTABLE CABLE AT POWER SOURCE AND AT P UMP
16 COIL PORTABLE ELECTRIC CABLE
17 REMOVE SUCTION HOSE FROM MANHOLE
18 DISCONNECT HOSES FROM PUMP AND EACH OTHER
19 COIL SUCTION AND DISCHARGE HOSES
20 PLACE ELECTRIC CABLE ON SERVICE VEHICLE
21 LOAD PORTABLE ELECTRIC PUMP ON SERVICE VEHICLE
22 LOAD SUCTION AND DISCHARGE HOSES ON SERVICE VEHICL E

GT 629 1 CLIMB INTO AND OUT OF MANHOLE ON FIXED LADDER
2 CLIMB UP AND DOWN MANHOLE LADDER - EACH ADDITIONAL RUNG
3 WALK TO AND FROM SUMP PUMP START SWITCH
4 TURN SUMP PUMP SWITCH ON AND LATER OFF
5 INSPECT AND LUBRICATE SUMP PUMP MOTOR
6 INSPECT PUMP MOTOR BEARING FOR NOISE OR VIBRATION
7 VISUALLY INSPECT PUMP AND PIPING FOR LEAKS
8 TIGHTEN PUMP AND PIPE FITTINGS AS NEEDED

GT 630 1 REMOVE EXISTING OUTLET OR RECEPTACLE
2 POSITION BOX EXTENSION TO WALL
3 ALIGN SCREW HOLES
4 POSITION SCREWS TO HOLES
5 INSTALL TWO SCREWS TO MOUNT BOX EXTENSION
6 INSTALL PLASTER RING
7 CUT AND CONNECT WIRES TO EXTENDED OUTLET
8 POSITION OUTLET OVER EXTENSION AND RING
9 ALIGN HOLES
10 POSITION SCREWS TO HOLES
11 INSTALL AND TIGHTEN SCREWS JOINING OUTLET AND EXTE NSION

GT 631 1 OPEN CUT-OUT SWITCH WITH STICK AND DISCONNECT WIRI
NG TO TRANSFORMER
2 REMOVE BOLT AND NUT HOLDING TRANSFORMER
3 REMOVE TRANSFORMER FROM POLE USING TRUCK HOIST *AD
DITIONAL 30% ALLOWANCE FOR WEIGHT AND SIZE *DIFFER
4 UNLOAD NEW TRANSFORMER AT BASE OF POLE AND HOIST T
O POSITION ON POLE *ADDITIONAL 30% ALLOWANCE FOR D
5 INSTALL WIRING AND CONNECT TO NEW TRANSFORMER

GT 632 1 DRILL TWO HOLES FOR MOUNTING BOLTS
2 HAMMER TWO MOUNTING BOLTS INTO HOLES
3 UNLOAD NEW TRANSFORMER AT POLE AND HOIST TO POSITI
ON WITH TRUCK HOIST *ADDITIONAL 30% ALLOWANCE FOR
4 INSTALL NUTS TO MOUNTING BOLTS AND SECURE
5 CUT CONDUCTORS TO LENGTH FOR NEW INSTALLATION
6 SPLICE NEW WIRES TO EXISTING CONDUCTORS
7 CONNECT TRANSFORMER TO POWER AND TURN ON

GT 633 1 ASSEMBLE AND PLACE SUPPORTS FOR PVC * TWO SUPPORTS
PER 20FT SECTION
2 POSITION PVC SECTION IN TRENCH - TWO MEN
3 CLEAN, CEMENT AND JOIN NEW SECTION
4 DRIVE REBAR OR CONDULET INTO GROUND AND TIE DOWN O
VER PVC TO HOLD IN PLACE WHEN POURING CONCRETE
5 VISUALLY CHECK ALIGNMENT OF PVC SECTION

GT 634 1 HEAT PVC IN COOKER AND BEND TO PATTERN
2 SAW CURVED SECTION TO LENGTH AS NEEDED
3 PLACE SUPPORTS UNDER AND BETWEEN SECTIONS
4 PLACE CURVED SECTION IN TRENCH
5 APPLY ADHESIVE AND JOIN SECTIONS
6 DRIVE REBAR OR CONDULET INTO GROUND AND TIE OFF OV
ER PCV TO PREVENT FLOATING WHEN POURING CONCRETE
7 VISUALLY CHECK ALIGNMENT OF CURVED SECTION

GT 635 1 MEASURE, MARK AND CUT PVC SECTION TO LENGTH WITH P
OWER SAW
2 POSITION SUPPORTS UNDER AND BETWEEN SECTIONS
3 PLACE SHORTENED SECTION IN TRENCH
4 APPLY ADHESIVE AND JOIN SECTIONS
5 DRIVE REBAR OR CONDULET INTO GROUND AND TIE OFF OV
ER PVC TO PREVENT FLOATING WHEN POURING CONCRETE
6 VISUALLY INSPECT ALIGNMENT OF PVC SECTION

GT 636 1 REMOVE/REINSTALL RETAINING PIN FROM HINGE ROD
2 GATHER TOOLS AND RETURN TO TRUCK
3 OPEN/CLOSE UPPER HOUSING OF VASI UNIT AND INSERT/
REMOVE HINGE ROD
4 INSERT/REMOVE AIMING BAR - INCLUDES INITIAL READ-
ING OF AIMING BAR AFTER INSERTING INTO VASI UNIT
5 PLACE/REMOVE LEVEL ON UPPER FACE OF APERTURE
6 APPLY OIL TO ELEVATION SCREWS, NUTS, LOCK NUTS AND
/OR FRANGIBLE COUPLINGS
7 ADJUST VASI UNIT BY LOWERING/RAISING BOTTOM NUTS O
N ADJUSTING SCREWS AND/OR FRANGIBLE COUPLINGS & RE
8 UNLOAD TOOLS FROM TRUCK AND WALK VASI UNITS

GT 637 1 OBTAIN/RETURN AIMING BAR KIT FROM STORAGE
2 REMOVE/REPLACE CALIBRATION BAR FROM CASE
3 POSITION CALIBRATION BAR ON RIGID SURFACE
4 GET/ASIDE LEVEL TO LEVEL CALIBRATION BAR
5 CHECK ALIGNMENT OF CALIBRATION BAR WITH LEVEL AND ALIGN AS NECESSARY (3 POSITIONS ARE CHECKED TWICE)
6 ADJUST LEVELING SCREWS ON CALIBRATION BAR FOR ALIGNMENT WITH LEVEL (6 POSITIONS ARE CHECKED * 4 SCRE
7 OBTAIN/RETURN CALIBRATION AND AIMING BAR FROM CASE
8 REMOVE/REPLACE AIMING BAR FROM CASE
9 POSITION AIMING BAR ON CALIBRATION BAR
10 MOVE ANGLE BLOCK TO 0, 3, AND 6 DEGREE POSITIONS ON AIMING BAR
11 READ 0, 3, AND 6 DEGREE SCALE POSITIONS ON AIMING BAR
12 GET/ASIDE ADJUSTABLE WRENCH
13 LOOSEN/TIGHTEN LOCK SCREW OF AIMING BAR LEVEL
14 ADJUST AIMING BAR LEVEL BY HAND

GT 638 1 POSITION WORKSTAND
2 CLIMB STAND
3 RAISE STAND TO WORKING HEIGHT
4 POSITION SECTION OF CONDUIT AND INSERT INTO PREVIOUSLY INSTALLED SECTION, CONNECTOR OR BOX
5 INSTALL CONNECTOR TO CONDUIT
6 CHECK ALIGNMENT OF CONDUIT SECTION

GT 639 1 UNPACK PHASE PROTECTION UNIT
2 TURN MAIN POWER OFF AND LATER ON
3 LAY OUT LOCATION FOR UNIT ON WALL, ETC.
4 MEASURE AND MARK HOLE LOCATIONS FOR PHASE PROTECTION BOX
5 DRILL HOLES FOR MOUNTING BOX *FOUR HOLES TO 2" DEEP EACH
6 INSTALL ANCHORS IN CONCRETE WALL FOR MOUNTING SCREWS
7 OBTAIN AND ASIDE NEW BOX AS NEEDED
8 CUT HOLE IN NEW BOX FOR CONDUIT
9 INSTALL NEW BOX ON WALL, ETC WITH FOUR SCREWS
10 INSTALL PHASE PROTECTION UNIT IN BOX
11 REMOVE KNOCKOUT IN MOTOR CONTROLLER BOX
12 CONNECT CONDUIT LENGTH FROM NEW BOX TO MOTOR CONTROLLER BOX
13 CONNECT WIRING TO PHASE PROTECTION AND TO MOTOR CONTROLLER
14 INSTALL CLAMPS TO CONDUIT LENGTH
15 TEST CIRCUITS AND OPERATION OF PHASE PROTECTION

GT 640 1 OPEN HOLE (KNOCKOUT) IN ELECTRICAL COMPONENT BOX WITH PUNCH AND PULLER USING WRENCH

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GT  641  1 SET UP REELS TO FEED CABLE
         2 PULL OFF ADDITIONAL TEN FEET OF CABLE FROM REEL(S)
         3 TAPE ADDITIONAL WRAPPING TO JOIN CABLES
         4 PULL CABLE(S) FROM REEL(S) TO LENGTH OF TRENCH PLU
           S FOOTAGE FOR CONNECTIONS
         5 WALK WHILE PULLING CABLE FROM REEL
         6 DROP CABLE(S) INTO TRENCH - APPROXIMATELY FIVE FEE
           T OF CABLE AT ONE TIME
         7 CUT CABLE(S) AT REEL END
         8 TAPE CABLE(S) TO IDENTIFY EACH AFTER CUTTING
         9 MAKE CONNECTIONS AT EACH END OF CABLE RUN

GT  642  1 SET UP REEL(S) TO FEED CABLE FOR RUN
         2 PULL ADDITIONAL TEN FEET OF CABLE FROM REEL(S)
         3 TAPE ADDITIONAL WRAPPING TO JOIN CABLE(S)
         4 PULL CABLE(S) FROM REEL(S) TO LENGTH OF TRENCH PLU
           S FOOTAGE FOR HOOK UP
         5 WALK WHILE PULLING CABLE TO LENGTH OF TRENCH AND R
           ETURN
         6 GET AND PLACE CONDUIT ALONG TRENCH
         7 START THREADS TO JOIN TWO SECTIONS OF CONDUIT
         8 SCREW TWO CONDUIT SECTIONS TOGETHER
         9 DROP CONDUIT INTO TRENCH - PER SECTION
        10 FEED CABLE(S) THROUGH CONDUIT SECTION *PER FOOT X
           20FT SECTION
        11 CUT CABLE(S) AT REEL END
        12 TAPE CABLE(S) TO IDENTIFY EACH AFTER CUTTING
        13 MAKE CABLE CONNECTIONS AT EACH END OF RUN

GT  643  1 INSTALL CONNECTOR TO BOX
         2 CUT CONDUIT TO LENGTH
         3 ASSEMBLE CONDUIT TO CONNECTOR WITH ADHESIVE
         4 INSTALL STRAP TO SUPPORT CONDUIT

GT  644  1 CHECK OPERATION OF LIGHT SWITCH
         2 REMOVE OLD LIGHT FIXTURE
         3 INSTALL NEW LIGHT FIXTURE REPLACING OLD FIXTURE
         4 WALK AROUND JOB SITE AS NEEDED

GT  645  1 UNPACK NEW DETECTOR
         2 INSTALL NEW 9V BATTERY
         3 TEST BATTERY IN DETECTOR
         4 PREPARE TO USE PORTABLE DRILL MOTOR
         5 DRILL MOUNTING HOLES IN CEILING
         6 INSTALL ANCHORS IN DRILLED HOLES
         7 POSITION SCREWS TO ANCHORS FOR MOUNTING
         8 INSTALL MOUNTING SCREWS
         9 POSITION DETECTOR TO MOUNTING SCREWS
        10 TWIST DETECTOR ON TO SCREWS
        11 TIGHTEN SCREWS TO DETECTOR
        12 SPRAY SMOKE FROM AEROSOL CAN TO TEST DETECTOR
        13 WAIT FOR ALARM TO SOUND *AVERAGE OF 30 SECONDS WAI
           T AND LISTEN
        14 WALK AROUND JOB SITE AS NEEDED
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GT 646 1 INSTALL CONNECTOR TO BOX
2 CUT CONDUIT TO LENGTH
3 ASSEMBLE CONDUIT TO CONNECTOR WITH ADHESIVE
4 PREPARE TO USE DRILL AND ASIDE AFTER USE *ONE SET UP PER TEN ANCHORS
5 DRILL TWO HOLES IN CONCRETE
6 INSTALL TWO ANCHORS IN HOLES
7 INSTALL STRAP TO HOLD CONDUIT TO CONCRETE

GT 647 1 INSTALL CONNECTOR TO BOX
2 CUT CONDUIT TO LENGTH
3 DRILL HOLE WITH POWER DRILL AND FEED CONDUIT THROU GH HOLE IN RAFTER OR STUD *AVERAGE FIVE RAFTERS PE
4 ASSEMBLE CONDUIT TO CONNECTOR WITH ADHESIVE

GT 648 1 UNPACK PANEL BOARD ASSEMBLY INCLUDING BOX, COVERS, BUS PANEL AND RELATED HARDWARE.
2 LAYOUT, DRILL AND MOUNT BOX TO WALL
3 OPEN LARGE KNOCKOUT IN BOX FOR SUPPLY LINES
4 INSTALL COUPLING TO BOX FOR SUPPLY LINES
5 CUT, SEPARATE, FORM AND ALIGN FOUR SUPPLY LINES
6 MOUNT MAIN 150 AMP SWITCH TO PANEL
7 OPEN KNOCKOUT WITH PULLER FOR EACH CIRCUIT
8 CUT, SEPARATE, FORM, ALIGN AND CONNECT WIRES FOR E ACH CIRCUIT.
9 INSTALL BOLT-ON CIRCUIT BREAKERS TO PANEL
10 MOUNT BUS PANEL TO BOARD, POSITION ON STUDS AND TI GHTEN (2 MEN)
11 HOOK UP FOUR SUPPLY LINES
12 TURN ON POWER TO PANEL TO TEST AND TURN OFF
13 CHECK BREAKER OPERATION

GT 649 1 UNPACK PANEL BOARD ASSEMBLY INCLUDING BOX, COVERS, BUS PANEL AND RELATED HARDWARE
2 LAYOUT, DRILL AND MOUNT BOX TO CONCRETE WALL WITH SCREWS AND WALL ANCHORS
3 OPEN LARGE KNOCKOUT IN BOX FOR SUPPLY LINES
4 INSTALL COUPLING TO BOX FOR SUPPLY LINES
5 CUT, SEPARATE, FORM AND ALIGN FOUR SUPPLY LINES
6 MOUNT MAIN 15O AMP SWITCH TO PANEL
7 OPEN KNOCKOUT WITH PULLER FOR EACH CIRCUIT
8 CUT, SEPARATE, FORM, ALIGN AND CONNECT WIRES FOR E ACH CIRCUIT.
9 INSTALL BOLT-ON CIRCUIT BREAKERS TO PANEL
10 MOUNT BUS PANEL TO BOARD, POSITION ON STUDS AND TI GHTEN (2 MEN)
11 HOOK UP FOUR SUPPLY LINES
12 TURN ON POWER TO PANEL TO TEST AND TURN OFF
13 CHECK BREAKER OPERATION

GT 650 1 UNPACK PANEL BOARD ASSEMBLY INCLUDING BOX, COVERS, BUS PANEL AND RELATED HARDWARE
2 FABRICATE BRACKETS AND MOUNT BOX TO WALL WITH BRACKETS, NUTS AND BOLTS
3 OPEN LARGE KNOCKOUT IN BOX FOR SUPPLY LINES
4 INSTALL COUPLING TO BOX FOR SUPPLY LINES
5 CUT, SEPARATE, FORM AND ALIGN SUPPLY LINES
6 MOUNT MAIN 150 AMP SWITCH TO PANEL
7 OPEN KNOCKOUT WITH PULLER FOR EACH CIRCUIT
8 CUT, SEPARATE, FORM, ALIGN AND CONNECT WIRES FOR EACH CIRCUIT.
9 INSTALL BOLT-ON CIRCUIT BREAKERS TO PANEL
10 MOUNT PANEL TO BOARD, POSITION ON STUDS AND TIGHTEN (2 MEN)
11 HOOK UP FOUR SUPPLY LINES
12 TURN ON POWER TO PANEL TO TEST AND TURN OFF
13 CHECK BREAKER OPERATION

GT 651 1 UNLOCK GATE TO SUBSTATION AND LOCK AFTER JOB IS COMPLETED
2 OPEN AND LATER CLOSE CABINET DOOR
3 SECURE MAIN POWER AND TURN ON AFTER WORK
4 GET AND ASIDE KNIFE
5 CUT AND REMOVE TAPE FROM BARS *10 CUTS IN THREE LOCATIONS FOR TWO BARS
6 REMOVE 3/4" BOLTS FROM BUS BARS WITH RATCHET AND SOCKET
7 DISCONNECT GROUNDS TO BARRIER BOARD
8 REMOVE BUS BAR
9 REMOVE INSULATING SLEEVE FROM BUS BAR
10 INSTALL INSULATING SLEEVE TO BUS BAR
11 REMOVE BARRIER BOARD BOLTS
12 REMOVE BARRIER BOARD
13 INSTALL BARRIER BOARD
14 INSTALL BOLTS TO BARRIER BOARD
15 INSTALL BUS BARS
16 INSTALL BOLTS TO BUS BARS
17 REINSTALL GROUNDS
18 INSTALL WATERPROOF BARRIER TAPE
19 INSTALL INSULATING TAPE OVER BARRIER TAPE
20 CHECK OUTPUT AFTER MAINTENANCE

GT 652 1 SET UP PULLER FOR CABLE PULL AND PACK AWAY AFTER USE
2 PREPARE FISHTAPE FOR USE AND PUT AWAY AFTER USE
3 FEED FISHTAPE INTO CONDUIT - PER FOOT
4 ATTACH ROPE TO FISHTAPE
5 PULL ROPE THROUGH CONDUIT - PER FOOT
6 SET UP MOBILE CRANE HOIST WITH PULLEY TO ASSIST CABLE PULL
7 LAYOUT AND CUT CABLE TO LENGTH FOR PULL
8 ADDITIONAL WALK TO LAYOUT CABLE OVER 25 FEET *FIFTY FEET TO END AND RETURN PER CABLE
9 ATTACH CABLE TO ROPE FOR PULLING
10 PULL CABLE WITH PULLER - PER FOOT *BASED ON TIME STUDY FROM VIDEO: *.19722 / 70 FEET PULLED = .00282

GT 653 1 ENTER BUILDING TO TEST ALARM AND LATER EXIT
2 NOTIFY BUILDING SECURITY OF ALARM TEST AND LATER E ND OF TEST.*SHOULD BE PREVIOUSLY SCHEDULED
3 NOTIFY FIRE DEPARTMENT BY RADIO OF TEST
4 WALK TO/FROM MASTER PANEL
5 INSPECT, CLEAN AND VACUUM MASTER PANEL
6 ACTIVATE ALARM AND CHECK SIGNAL TO MASTER PANEL FO R ONE ALARM ZONE (TWO PERSONS REQUIRED)
7 SHUT OFF MASTER SWITCH AND TURN ON
8 TURN SWITCH OFF/ON TO TEST ZONE INDICATORS
9 CALL FIRE DEPARTMENT TO NOTIFY OF END OF TEST

GT 654 1 CLEAN CONDUIT WITH WIREBRUSH/MANDRELL
2 WALKING REQUIRED *TO GET PARTS
3 BENDING AND ARISING REQUIRED *TO ASSEMBLE & DISASS EMBLE PARTS

GT 655 1 PREPARE FISHTAPE FOR USE & PUT AWAY AFTER USE
2 FEED FISHTAPE INTO CONDUIT
3 ATTACH ROPE TO FISHTAPE
4 PULL ROPE THROUGH CONDUIT
5 SET UP WINCH FOR CABLE PULL *FRONT MOUNTED WINCH O BSERVED IN VIDEO HAD PULLEY *"READY TO USE" ATTACH
6 SET CABLE REELS ON JACK STANDS
7 ATTACH CABLES TO ROPE
8 PULL CABLES THROUGH CONDUIT *.09333 / 500 FEET = . 000186; IN ADDITION, 3 MEN *ARE REQUIRED TO ALIGN
9 WALKING REQUIRED *TO SET UP/GET & ASIDE ROPE, WINC H, FUNNEL, LUBRI- *CANT
10 BENDING AND ARISING REQUIRED *TO SET UP/GET & ASID E ROPE, WINCH, FUNNEL, LUBRI- *CANT

GT 657 1 WALK, GET/ASIDE 3 ITEMS.
2 ADDITIONAL WALK
3 GET AND POSITIO LIGHT WIRE STRING.
4 TIE WIRE AROUND LIGHTING WIRE SECURING IN PLACE.

GT 658 1 WIRE BRUSH SURFACE.
2 APPLY GLUE TO PREPAIRED SURFACE, BRUSH.
3 ALLOW GLUE TO SET.
4 REMOVE PROTECTIVE PAPER BACKING FROM MARKER.
5 POSITION MARKER ON GLUED SURFACE.
6 ROLL MARKER.•